

**Activity 3.1.2: Medical History**

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| Patient’s Name: | Age: | Male or Female: |
| Anna Garcia | 14 months | Female |
| Height: | Weight: | Temperature: |
|  26 inches | 20 lbs 2 oz | 101.4°F |
| Blood Pressure: | Pulse: | Respiration Rate: |
| N/A | 175 bpm | 40 bpm |
| Is the patient on any medications? If so please list them.  |
| Patient was given Infant Tylenol to relieve fever. |
| Chief complaint or primary reason for visit?Patient is running a fever, is extremely lethargic, experiencing breathing problems, and appears to be in a lot of pain. |
| Onset of condition. Is complaint related to a fall, an accident, or an auto accident?No | Duration of condition? Symptoms started yesterday morning | History of similar condition in past?No |
| **Physical Exam Notes:** |
| Respiratory Exam:Patient’s breathing is abnormal. Respiratory rate is slightly elevated and patient seems to be short of breath. | Skin Exam:Pale skin, nails, and lips. | Ears:Normal. No signs of fluid or infection. |
| Mouth/Throat:Normal. No signs of infection. | Gastro-Intestinal:Patient does not have any hernias. Patient has not had much of an appetite for the last couple of days. Patient has a bright red diaper rash on bottom and mother said she has been experiencing diarrhea for two days. | Cardiovascular:Pulse is 175 bpm. Heart rate is rapid and above normal range. |

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| Urinary:Higher urine output than normal. | Other:Lymph nodes are normal. Patient seems very lethargic. |
| Additional Notes:* Patient’s height is below 5th percentile on growth curve.
* Patient’s weight is between the 10th and 25th percentile on growth curve.
* Patient’s head circumference measures normal.
* Patient has swelling in the hands and feet.
* Abdomen is tender to the touch.
* Abdomen is enlarged on left side of abdomen – possibly indicative of splenic sequestration.
* Patient’s parents indicate that the patient has been extremely irritable and fussy and seems to be in a lot of pain.

Tests Performed:* CBC
* Hematocrit
* Blood oxygen
* [CT scan](http://health.nytimes.com/health/guides/test/ct-scan/overview.html)
* Sickle cell test

Results:* CBC

Red Blood Cell Count reduced levelsWhite Blood Cell Count increased levels* Hematocrit

Lower than normal hematocrit - 20%* Blood oxygen

Lower than normal levels* [CT scan](http://health.nytimes.com/health/guides/test/ct-scan/overview.html)

Abnormal spleen, indicative of splenic sequestration* Sickle cell test

Positive for sickle cell anemiaDiagnosis:* Sickle cell anemia
* Severe anemia
* Splenic sequestration (sickling in the splenic vein resulting in a collection of a large amount of blood in the spleen, causing the spleen to be enlarged).

Treatment:* Intravenous hydration
* Administration of pain medication
* Red blood cell transfusion
* Administration of antibiotics to prevent infection

Genetic Analysis: |