

# COMLEX Level 2 PE Exam

A lady came to clinic for her one year old boy as he has diarrhea since last 2 days.



# Patient Data Sheet

- **Patient Name:** Timmy
- **Clinical Settings:** Medicine Office
- **CC:** Tabetha Laurel, the mother of a year old Timmy, calls the office as her son has been having the runs for 2 days.



# Differential Diagnoses

- Rotavirus infection
- Adenovirus infection
- E.coli infection
- Food poisoning
- Amoebiasis



# Key Points to Remember

- Door information.
- Patient's age.
- Patient is not present, so its difficult to assess degree of dehydration. However, some relevant information can be obtained on phone and decision can be made if home treatment would suffice.
- Counseling about oral rehydration and home treatment. Re-iterate immunization and regular follow ups with pediatrician.



# Subjective

- **Good morning Ms. Laurel, my name is Dr. Tulum, I am a physician in this hospital. How may I help you today ?**
- *Hi doctor, my child has been having the runs.*
- **I see. How old is your child?**
- *Timmy is going to be a year old next week.*
- **Well congratulations, his birthday is coming up.**
- *Yes doctor. But he's been having runs for 2 days now.*
- **I see. How many times does he go ?**
- *About 6 to 7 times every day.*

Contd...



## Subjective (Contd...)

- **How many times does he normally go?**
- *2 or 3 times doc.*
- **What are the stools like ?**
- *They are very liquid, watery.*
- **I see. What is the color?**
- *They are normal in color.*
- **Do they smell foul?**
- *No doc nothing different than usual.*



## Subjective (Contd...)

- **Any blood in the stool or on the diaper ?**
- *No doc.*
- **Has he thrown up ?**
- *No doc.*
- **Does he have a temperature ?**
- *None doc.*
- **Is he still passing urine ?**
- *Yes doc.*



## Subjective (Contd...)

- **Is he drinking enough fluids ?**
- *Yes doc.*
- **Is he awake and playful as usual or does he seem cranky or tired ?**
- *He has been okay, but he seemed crankier this morning.*
- **I see. How are his lips, do they look dry ?**
- *Not really.*



## Subjective (Contd...)

- **How about his skin ? I would like you to gently pinch the skin on his arm and see if it takes a long time to go back.**
- *Okay doc. It goes back almost in a second.*
- **Okay. Do his eyes look sunken or smaller ?**
- *Not really doc.*
- **Are you feeding him ?**
- *No doc, his body is not holding anything how can I feed him.*



## Subjective (Contd...)

- **Are you giving him fluids ?**
- *I gave him some broth yesterday. I gave a half cup of juice this morning.*
- **Does he drink them or does he refuse to drink ?**
- *He drinks pretty okay.*
- **Does he look thirsty ?**
- *Yes doc, he drinks thirstily.*
- **I see. Is he sleeping more than usual ?**
- *No doc.*
- **Does he cry more than usual ?**
- *No doc.*



# PAM HUGS FOSS

- **Okay, Ms. Laurel, I would now like to go over his medical problems, if any and medications.**
- *Sure doc.*
- **Does he have any other medical problems ?**
- *No doc, my Timmy is a happy child. He is fine.*
- **Okay. Do you give him any pills including vitamins, baby syrups etc.?**
- *Just a vitamin syrup, as his pediatrician asked us to give.*
- **Okay good.**

Contd...



## PAM HUGS FOSS (Contd...)

- **Is he allergic to any medication or substance ?**
- *None doc.*
- **Has he been hospitalized in the past ?**
- *No.*
- **Has he had any surgeries ?**
- *No.*
- **Okay very good.**
- **Does he go to day care ?**
- *Yes doc.*



## PAM HUGS FOSS (Contd...)

- **Do any kids at the daycare have the runs ?**
- *I am not sure doc, but I can check with the day care manager.*
- **Do you have any other children at home ?**
- *Yes I have my daughter she is 5 yrs old.*
- **Is she sick or was she sick recently ?**
- *No doc.*
- **Is anyone else at home sick ?**
- *No doc.*
- **Have you traveled with your son outside the country recently ?**
- *No doc.*



# Birth History

- **Okay. Let me ask you a few questions about his birth. Was he born at full term ?**
- *Yes doctor.*
- **Was it a normal delivery ?**
- *It was a C section doc.*
- **Why did you need a C section ?**
- *I have a narrow pelvis, I needed C section during my daughter too.*
- **I see. What was Timmy's weight at birth ?**
- *It was 6 pounds, he was a healthy child.*
- **Good.**



# Developmental History

- **Has his development been normal so far?**
- *Yes doc.*
- **What age did he start sitting up without support ?**
- *I would say 5 or 6 months.*
- **I see. What age did he start crawling on the ground ?**
- *May be 7th or 8th month doc.*
- **Has he started standing up without support yet ?**
- *No doc, he crawls up the sofa and the table. But he needs to hold on to them. He can stand for a few seconds then he falls back down.*
- **Okay I think that is appropriate for his age.**



# Immunization History

- **Has he had all his vaccines on time ?**
- *Yes doc, I and my husband are very particular about it.*
- *We keep all appointments with his pediatrician. She is out of town right now so I thought I would ask you what to do.*
- **That's okay, you did the right thing by calling.**
- **It would still be a good idea to bring him in, so I can see how dehydrated he is at this point. Then we can decide if you can take care of him at home or if he needs to be in the hospital for sometime.**



# Closure: Assessment and Plan discussion

- *I see doc.*
- **You said he has been passing loose watery stools for 2 days now and he drinks thirstily. Its good he is awake and active but he seemed cranky this morning. I would like you to continue to give him as many fluids as he can take. Please continue to give him ORS, lemonade with some sugar, pedialyte and others. You should continue to feed him, as usual. Don't worry about the diarrhea.**
- **Since he is losing, he needs food and fluids to replace what he is losing.**

Contd...



## Closure: Assessment and Plan discussion (Contd...)

- **At this point, I would like to examine him, so please bring him to the hospital as soon as possible. Please rehydrates him while you are coming here. Do you need any assistance in transportation?**
- *Yes, doc, I don't have car. I am not sure what I will do?*
- **Please don't worry. I will send you ambulance to your place.**
- *Thank you so much. I will see you there.*
- **Hang up the phone.**



# Assessment and Plan

## ➤ **Assessment:**

1. Rotavirus Gastroenteritis
2. Acute gastroenteritis-bacterial e.g. E.Coli.
3. Osmotic diarrhea from feeding formulae.

## ➤ **Plan:**

1. Physical Examination of child.
2. Fluid repletion: IV Normal Saline
3. CBC with differential, BMP, Stool microscopy, ova and parasites, Stool metabolic panel and osmolality, Stool culture
4. Admit to hospital
5. Support to family e.g. transportation, counseling



The background is a deep blue with various geometric shapes and patterns. There are large, semi-transparent triangles and polygons in different shades of blue. In the bottom left corner, there are stylized, swirling floral or vine-like patterns. In the top right corner, there are some soft, cloud-like or smoke-like shapes. The overall effect is a layered, abstract composition.

# Happy Reading