MEDICAL FORM

PATIENT INFORMATION

NAME: john

AGE: 28

GENDER: Male

PATIENT HISTORY

fever, cough , stomach pain , vomiting etc for a long time

AI REPORT

Iron Deficiency Anemia

The patient's symptoms of fever, cough, stomach pain, and vomiting for an extended period point towards possible viral infection or gastrointestinal distress. However, the combination of low hemoglobin (Hb) and high PCV is a strong indicator of iron deficiency anemia. The patient has a low Hb level (12.5 g/dL) which indicates that there is not enough healthy red blood cells in his body to carry oxygen to his tissues properly. The elevated Packed Cell Volume (PCV, 57.5%) suggests a high proportion of red blood cells. This is further supported by the higher Mean Corpuscular Volume (MCV, 87.75 fL) indicating larger RBCs than normal. The low hemoglobin level and high PCV indicate that he could be suffering from iron deficiency anemia.

Here's an explanation from the blood test data:

* **Hemoglobin (Hb):** Low at 12.5 g/dL, which is significantly lower than the reference range of 13.0-17.0 g/dL. This is a clear sign of iron deficiency anemia.
* **Packed Cell Volume (PCV):** Elevated at 57.5%, suggesting that he has more red blood cells than normal. A higher PCV usually accompanies low Hb levels, indicating the body tries to compensate for iron deficiency by producing more red blood cells.

The symptoms are consistent with iron deficiency anemia, and the blood test results further confirm this diagnosis.

Doctor Signature

Date: 2024-11-27

MEDICAL FORM

TEAM CYCLONE

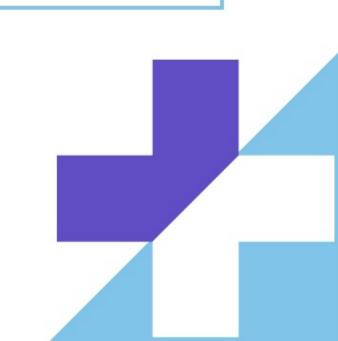AI Health Diagnosis
SEED Hackathon 2024
Innovating Healthcare

AI EXPLAINABILITY

Xray results are covid_19