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1 D:\Installations\Anaconda3\python.exe "D:/6th Sem/LP
2 Lab/AI Lab/AI grp C codes/ExpertSystem/
MedicalExpertSystem.py"
2
3 Hi! I am Dr.Yar, I am here to help you make your
health better.
4 For that you'll have to answer a few questions about
your conditions
5 Do you feel any of the following symptoms:
6
7 low body temperature (y/n): n
8 fatigue (y/n): y
9 headache (y/n): n
10 sunken eyes (y/n): n
11 blurred_vision (y/n): n
12 cough (y/n): n
13 fainting (y/n): n
14 restlessness (y/n): n
15 back pain (y/n): n
16 sore throat (y/n): n
17 Nausea (y/n): y
18 fever (y/n): y
19 chest pain (y/n): n
20
21 The most probable disease that you have is Jaundice
22
23 What would you like to know about Jaundice?
24 1. Disease Details
25 2. Disease Treatment and Medications
26 3. Exit
27 1
28
29 A short description of the disease is given below :
30
31 Jaundice is a term used to describe a yellowish tinge
to the skin and the whites of the eye. Body fluids
may also be yellow.
32
33 The color of the skin and whites of the eyes will
vary depending on levels of bilirubin. Bilirubin is a
waste material found in the blood.
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34

35 Moderate levels lead to a yellow color, while very  
high levels will appear brown.

36 An inflamed liver or obstructed bile duct can lead to  
jaundice, as well as other underlying conditions.

37

38 Underlying conditions that may cause jaundice include  
:

39

40 Acute inflammation of the liver: This may impair the  
ability of the liver to conjugate and secrete  
bilirubin, resulting in a buildup.

41

42 Inflammation of the bile duct: This can prevent the  
secretion of bile and removal of bilirubin, causing  
jaundice.

43

44 Obstruction of the bile duct: This prevents the liver  
from disposing of bilirubin.

45 Hemolytic anemia: The production of bilirubin  
increases when large quantities of red blood cells  
are broken down.

46

47 Gilbert's syndrome: This is an inherited condition  
that impairs the ability of enzymes to process the  
excretion of bile.

48

49 Cholestasis: This interrupts the flow of bile from  
the liver. The bile containing conjugated bilirubin  
remains in the liver instead of being excreted.

50

51 Diagnosis:

52

53 The yellowing of skin and eyes are likely to be the  
main clues a doctor will use before confirming a  
jaundice diagnosis.

54

55 A physical examination will be carried out to look  
for signs of swelling of the liver and legs, ankles  
or feet, which might indicate cirrhosis of the liver.

56

57  
58 1. Disease Details  
59 2. Disease Treatment and Medications  
60 3. Exit  
61 2  
62  
63 The common medications and procedures suggested by  
other real doctors are:  
64  
65 Jaundice is treated by managing the underlying cause.  
66  
67 Medication:  
68  
69 Medication or supplements can help jaundice depending  
on the cause.  
70 Treatment will depend on the underlying cause.  
71  
72 Jaundice treatment targets the cause rather than the  
jaundice symptoms.  
73  
74 The following treatments are used:  
75  
76 Anemia-induced jaundice may be treated by boosting  
the amount of iron in the blood by either taking iron  
supplements or eating more iron-rich foods.  
77 Hepatitis-induced jaundice requires antiviral or  
steroid medications.  
78 Doctors can treat obstruction-induced jaundice by  
surgically removing the obstruction.  
79  
80 If the jaundice has been caused by use of a  
medication, treatment for involves changing to an  
alternative medication.  
81  
82  
83 1. Disease Details  
84 2. Disease Treatment and Medications  
85 3. Exit  
86 3  
87  
88 Would you like to diagnose some other symptoms?