DIAGNOSES DIGESTIVE DISEASES

DDD EXPERT SYSTEM



• WE HAVE CREATED A PROGRAM THAT DIAGNOSES DIGESTIVE DISEASES THROUGH CLINICAL SYMPTOMS, BLOOD ANALYSIS, ENDOSCOPY AND ECO.

• THE NUMBER OF DISEASES WE CAN PROCESS IN OUR PROGRAM ITS 10 DISEASES.



SOME EXAMPLE OF DISEASE INFORMATION WE HAD WORKED ON.



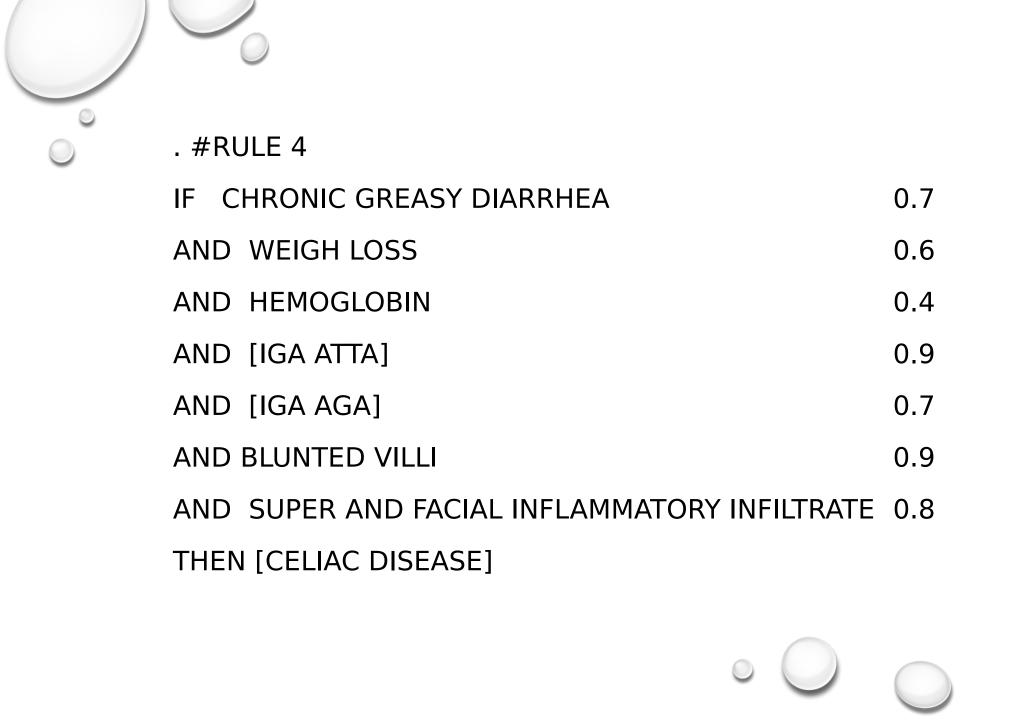
• #RULE 1

• IF EPIGASTRIC ABDOMINAL PAIN HEART BURN 0.7

• AND REGURGITATION 0.4

• AND DYSPHAGIA 0.4

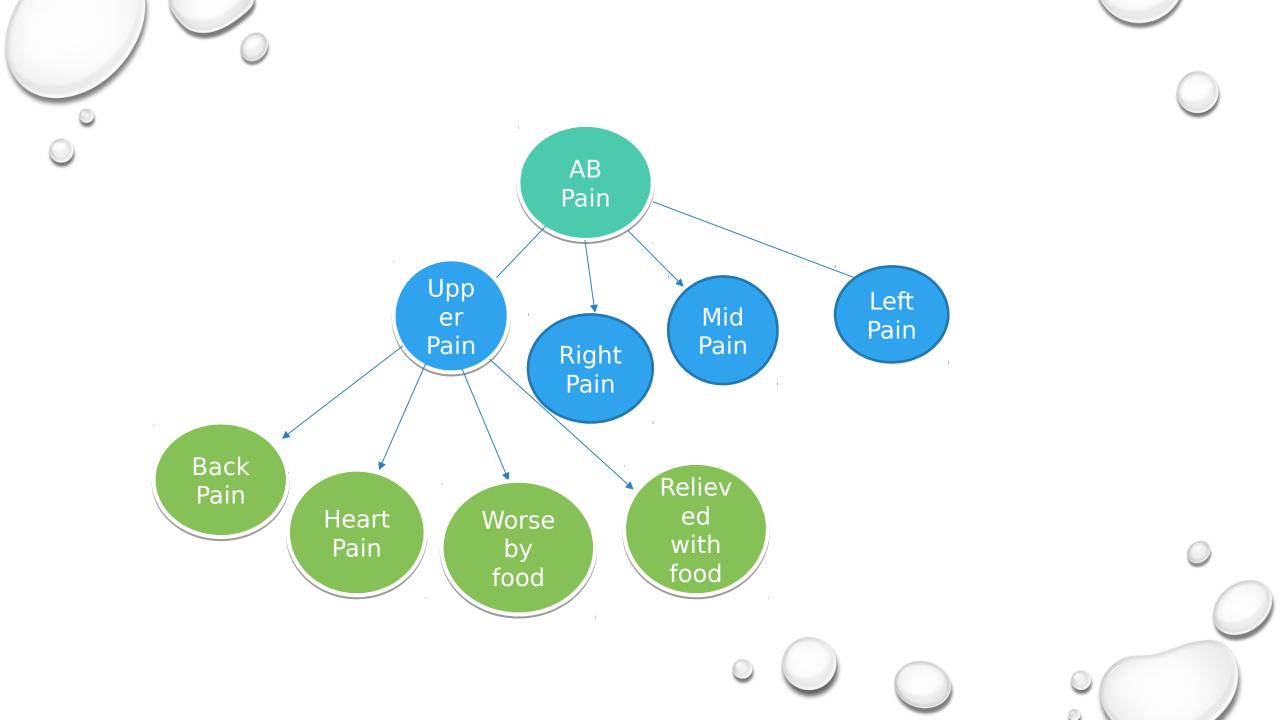
• THEN GASTRO ESOPHAGEAL REFLUX

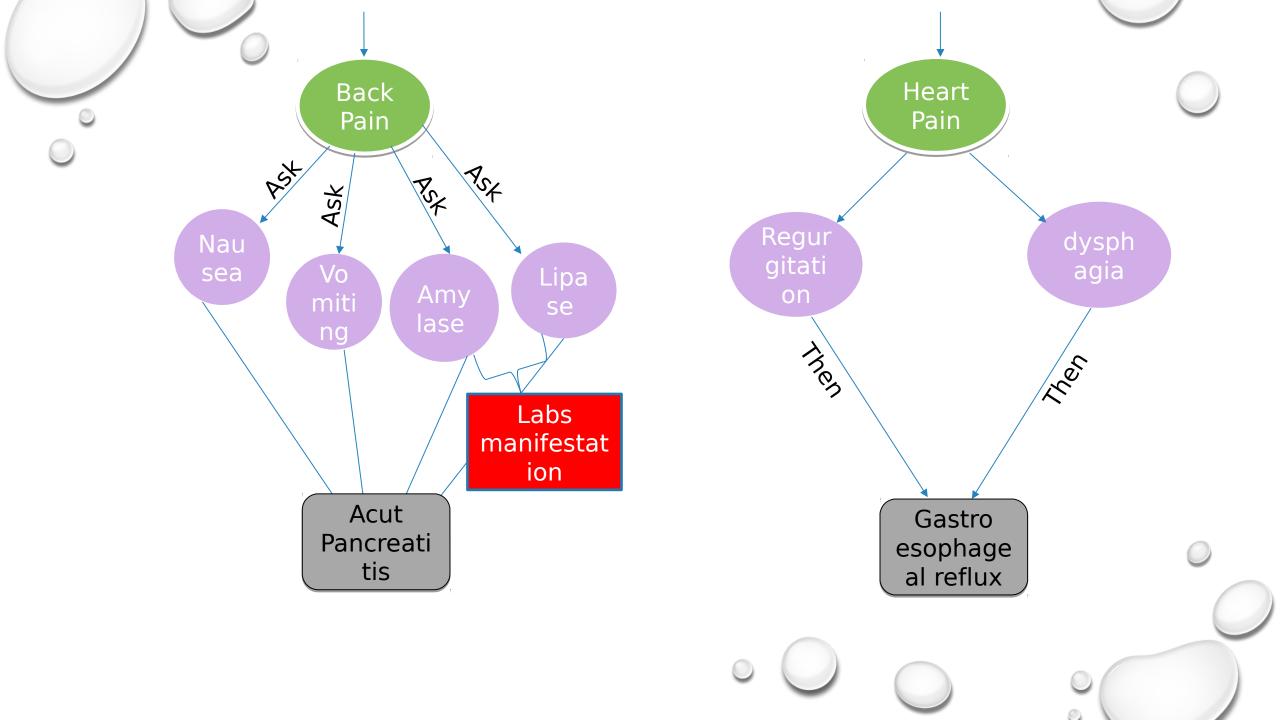




• THE FLOW OF THE PROGRAM ITS CHANGE THROUGH THE USER INPUT

• THE [TREE] IN THE NEXT SLIDE SHOWS THE FLOW OF THE PROGRAM FOR SOME MANIFESTATION







• THE ABOVE TREE SHOWS TWO EXAMPLE OF DISEASE WE HAVE, AND THE WAY WE ASK THE USER FOR INFORMATION.

AND ALL DISEASE WE PROCESS THEM AS ABOVE



• THE PROGRAM HAVE ABOUT 190 RULE

• THE RISON FOR THIS BIG NUMBER OF RULE IS BECAUSE WE CANT DENIAL DISEASE IF SOME MANIFESTATION DOESN'T EXIST SO WE SHOULD PROCESSING A LOT OF CASES.



• SPECIAL THANKS TO DR. MARWA HENNARA WHO HELPED US TO COMPLETE THE PROJECT.