Rules for the Gastro-Intestinal Expert System

T = TRUE

F = FALSE

Nr	Variable			Rule (1	RUE IF)
1	diabetes-recent	AND		iabetes=T iabetes-onset=T	
2	abdominal-pain- severity	OR	abdor	minal-pain-strength=T minal-pain-medication- ove=F	abdominal-pain-duration=T
		Oit		AND	abdominal-pain-food-related=F
3	vomit-severity	SUM	> 1	vomit-duration=T vomit-frequency=T vomit-food-related=F vomit-medication-improve	ve=F
4	gastroenteritis- severity	SUM	> 1	gastroenteritis-duration gastroenteritis-frequenteritis-food-regastroenteritis-medica	ncy=T elated=F

5	constipation-severity		constipation-duration	constipation-duration=T	
		SUM	> 1 constipation-no-pass:	constipation-no-pass=T	
			gastroenteritis-medic	cation-improve=F	
			, -		
6	anemia-suspicion		fatigue=T		
		SUM	> 1 loss-of-appetite=T		
			pallor=T		
			, <u>-</u>		
7	hepato-suspicion		jaundice=T		
	1	-			
		OR	CIIM > 1	weight-loss=T	
			SUM > 1	abdominal-pain-middle=T	
				heavy-smoker=T	
				heavy-drinker=T	
8	esophagus-suspicion		dysphagia=T		
		AND			
			OR		
				chest-pain-duration=T	
				vomit-blood=F	
9	history-severity		diabetes-recent=T		
			other-cancers=T		
			cancers-in-family=T		
		OR	SUM > 1	age=T	
				heavy-drinker=T	
				heavy-smoker=T	
				diabetes-recent=F	
				other-gastro-diseases=T	

10	blood-from-stomach		stools-blood-dark=T		
		OR	AND		
				vomit-blood=T	
				vomit-severity=T	
11	blood-from-colon		stools-blood-red=T		
		OR	AND		
				bleeding-rectum=T	
				constipation-severity=T	
12	stomach-suspicion		weight-loss=T		
			OR AND		
		OR			
				abdominal-pain-up=T	
				vomit-severity=T	
13	colon-suspicion	AND	constipation-severity=T		
		TITLE	weight-loss=T		
14	blood-tests		history-severity=T		
			abdominal-pain-severity=T		
			vomit-severity=T		
		OR	gastroenteritis-severity=T		
			constipation-severity=T		
			anemia-suspicion=T		
			hepato-suspicion=T		
			esophagus-suspicion=T		
			1.5.4		
15 liver-functions-test 0		OR	history-severity=T		
			hepato-suspicion=T		

16	kidneys-functions- test	OR	history-severity=T abdominal-pain-severity=T		
		Oic	<pre>vomit-severity=T gastroenteritis-severity=T</pre>		
			gastroenteritis-severity-i		
17	upper-endoscopy		blood-from-stomach=T		
		OR	stomach-suspicion=T		
			esophagus-suspicion=T		
18	colonoscopy	OR	blood-from-colon=T		
			colon-suspicion=T		
19	CT-scan-abdomen		weight-loss=T		
		AND			
		AND	OR	stomach-suspicion=T	
				colon-suspicion=F	
				hepato-suspicion=T	
20	CT-scan-chest	OR	dysphagia=T		
			esophagus-suspicion=T		
21	ultra-sound	OR	abdominal-pain-severity=T		
			abdominal-pain-general=T		