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maintenance:
  title:          SIRS-Notification2;;
  mlmname:       SIRS-Notification2;;
  arden:         version 2.9;;
  version:       1.0;;
  institution:   Medexter Healthcare, Vienna, Austria;;
  author:        knowledge engineering group;;
  specialist:    clinical specialists group;;
  date:         2016-08-19;;
  validation:    production;;
library:
  purpose: ;;
  explanation: ;;
  keywords: ;;
  citations: ;;
  links: ;;
knowledge:
  type: data_driven;;
  data:
    testID:= Argument;

(temperature,heartRate,respRate,PaCO2,WBcellCount,immatureBand)
:= READ {SELECT temperature, heartRate, respRate, PaCO2,
WBcellCount, immatureBand
        FROM sirvalues WHERE IDPatient = testID};
;;
priority: ;;
evoke: ;;
logic:
//Start - Checking SIRS criteria
counter:=0;

if temperature is greater than 38 or temperature is less
than 36 then
  counter:= counter + 1;
endif;

if heartRate is greater than 90 then
  counter:= counter + 1;
endif;

if respRate is greater than 20 or PaCO2 is less than 32 then
  counter:= counter + 1;
endif;

if WBcellCount is greater than 12000 or WBcellCount is less
than 4000
or immatureBand is greater than 10 then
  counter:= counter + 1;
endif;

if counter is greater than or equal 2 then
  notification:= localized 'SIRS';
  conclude true;

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endif;
//End - Checking SIRS criteria
;;
action:
return notification;
;;
urgency: ;;

resources:
    default: en;;
    language: en
    'SIRS': "Alert for SIRS";
;;
    language: de
    'SIRS': "Alert f_r SIRS";
;;
end:
```