

A Study to Identify the Reasons of Delay In Turn Around Time Of Ultrasound Examination in
Radiology Department



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Research objective:

- 1) To determine the turnaround times for patients undergoing ultrasound examinations at the radiology department.
- 2) Determine factors influencing turnaround times at the radiology department
- 3) To find out the solution

Research methodology:

Study Design

Observational descriptive study.

Sample Size

120 patients

Inclusion Criteria

All the OPD patients coming for ultrasonography Examination.

Exclusion Criteria

All IPD (in patient department) and emergency patients coming for USG.

Sampling Method

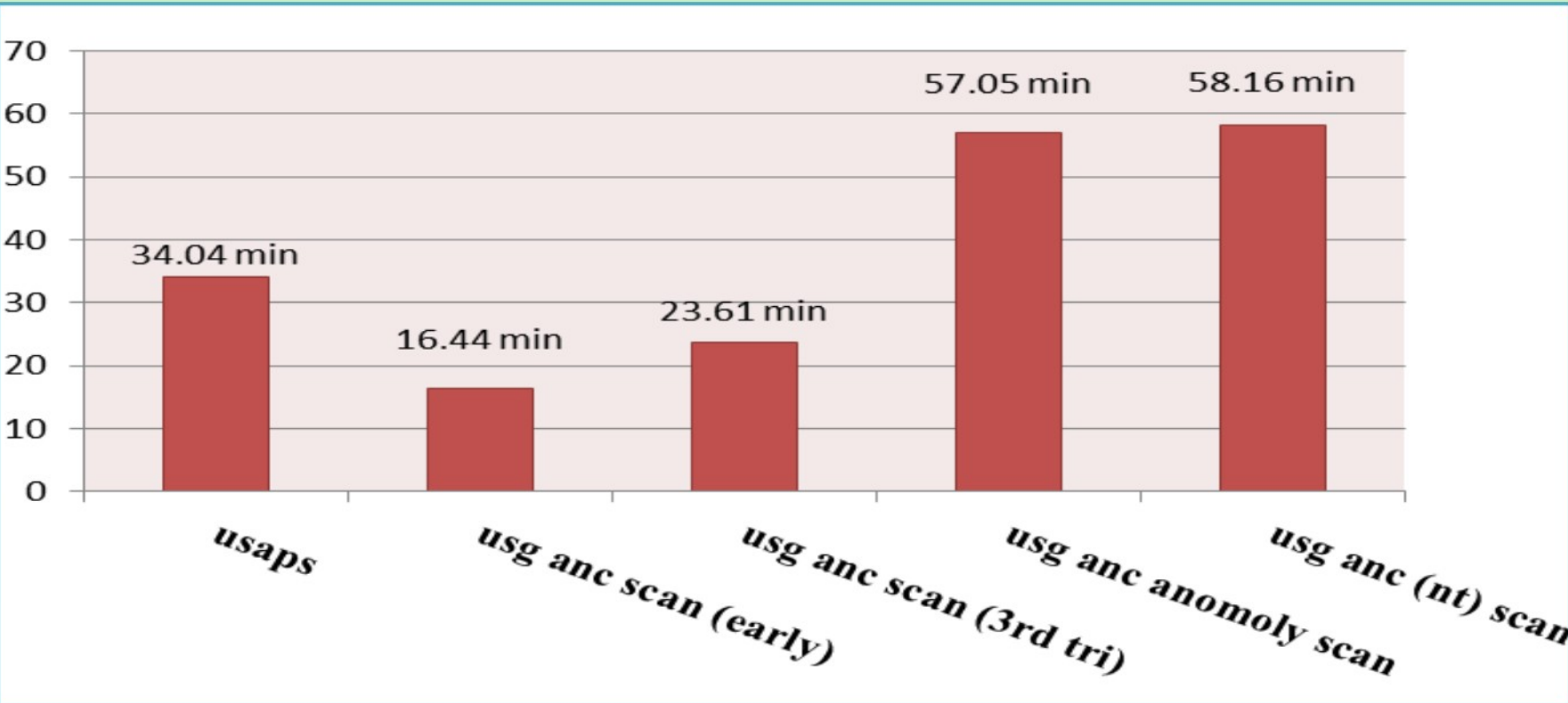
Non probability sampling (convenient sampling)

Data Analysis

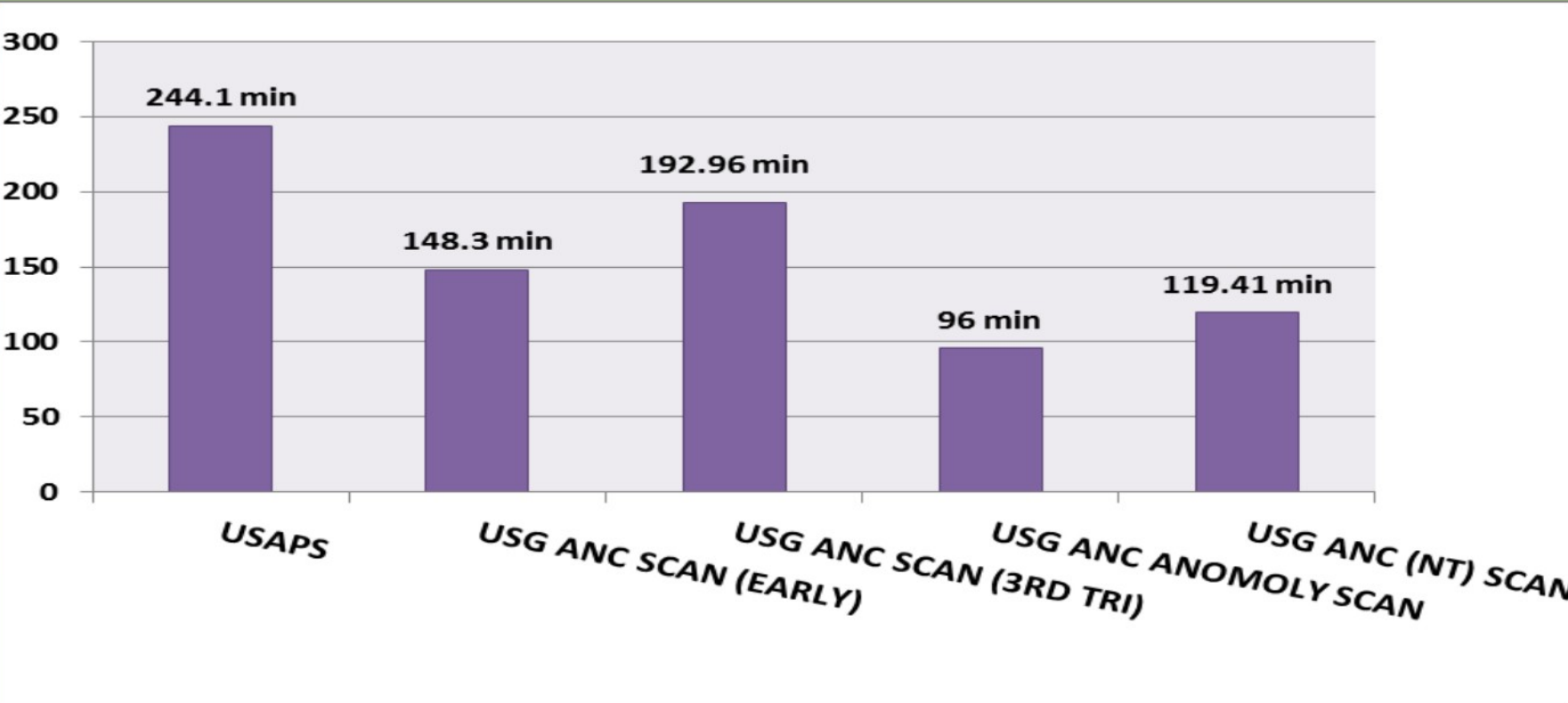
Graph 1: AVERAGE WAITING TIME OF PATIENT IN DEPARTMENT:



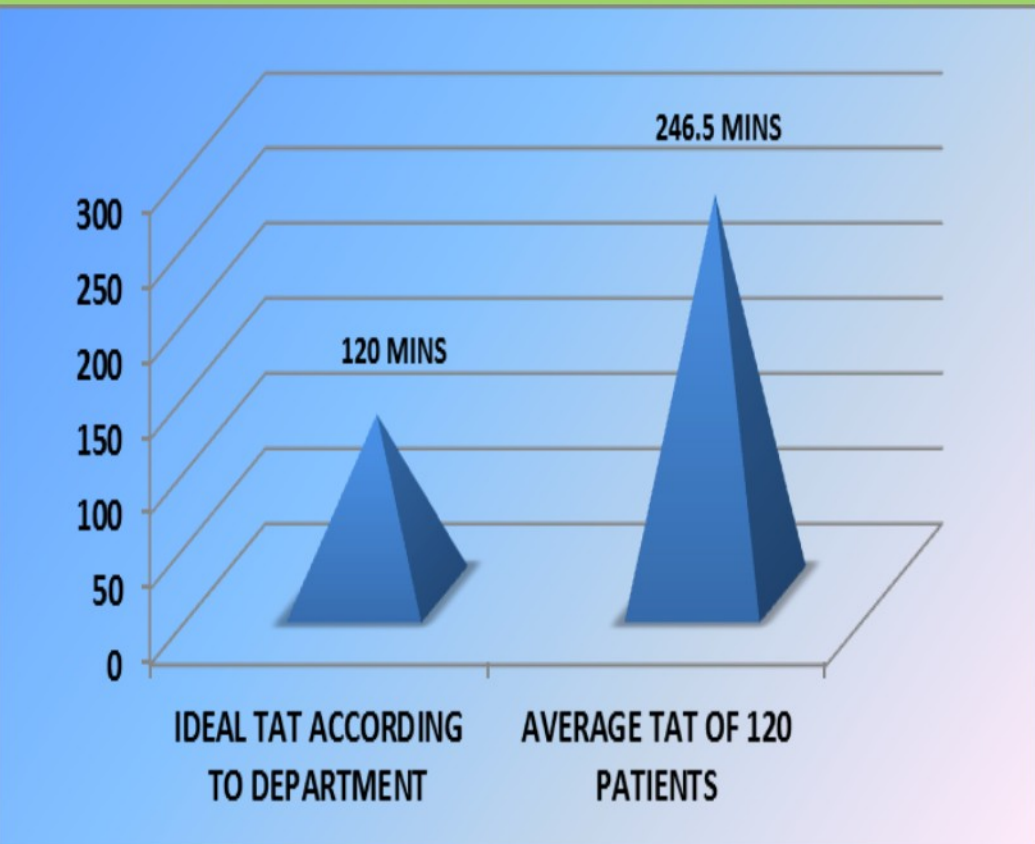
Graph 2: AVERAGE TIME TAKEN TO PERFORM VARIOUS USG TEST:



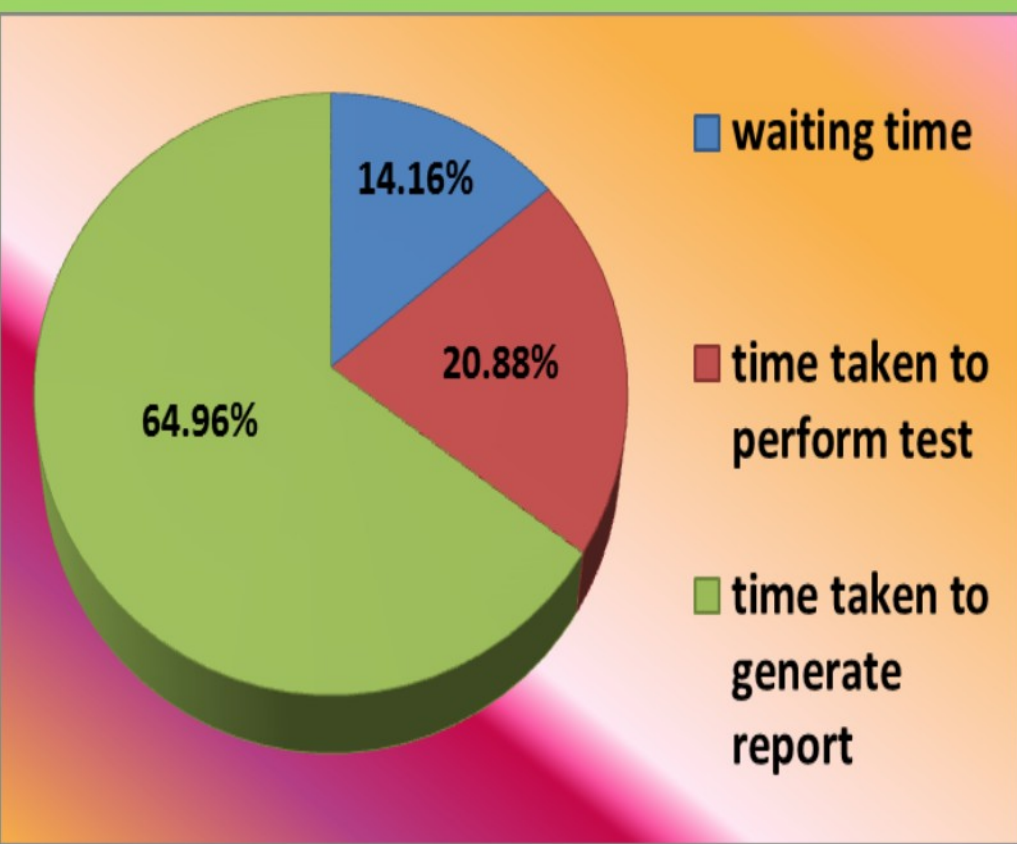
Graph 3: Average time taken to sign the reports:



Graph 4: SUGGESTED TURNAROUND TIME V/S AVERAGE TURN AROUND TIME:



Graph 5: CONTRIBUTION OF TIME TAKEN AT EACH STEP IN TOTAL TURNAROUND



Reasons of increased turnaround time:

- 1)Walk in patients and emergency patients are adjusted between appointments.
- 2)Time taken by patients on payment counters.
- 3)Due to tight scheduling of appointments radiologist are not able to sign the report on time
- 4)Delay in drafting of reports.
- 5)Lack of queue or token system for patients.
- 6)Only one radiologist is available after 4 pm.

Recommendations:

- 1)Token system for proper queue of patients.
- 2)10 minute slots kept for drafting and signing the report after every 4-5 patients.
- 3)For both Usg machines separate appointment scheduling should be done
- 4)Pamphlets/e mail containing information about the desired preparations should be given to patient.
- 5)Patient should be well informed about the 3 billing counters where they can make payments.
- 6)Reconfirmation of appointment should be done.