

APPENDIX

QUESTIONNAIRE

SENIOR RADIOLOGISTS

NAME:----- AGE-----

OCCUPATION:-----EXPERIENCE:-----

1. How do you find out the data to order your radio diagnosis materials?

- On statistical basis for each item.
- By estimation only.

Your comments

please-----

2. How is the qualification standards of the technologists and if their total number enough to fulfill your plan?

Your comments please What is the type/types of x-ray machines do you have in your x-ray department including the number and quality?

TYPE				
NUMBER				
QUALITY				

3. What about the periodical maintenance for these machines?

- As programmed

- not as programmed

Your comments please:

4. What is your role in the annually planning policy of Khartoum State for radio diagnosis materials supply?

Your comments

please-----

5. Do you have quality control program to achieve your radio diagnosis supply planning?(maximize the use of available resources in order to get the best service)

Your comments

please-----

QUESTIONNAIRE

SUPER INTENDANT

AGE-----OCCUPATION:-----P
 OSITION:-----EXPERIENCE:----- How
 frequent is your radio diagnosis material demand?

- Yearly.
- Every 6 months.
- Every 3 months.
- Weekly.
- On which basis do you make your ordering of radio diagnosis materials?
 - o On statistical basis
 - o By rough estimation
- Which film trade mark do you commonly use in the x-ray department and why?
 - Kodak Agfa Fuji Others

Reasons-----

4. What is the quality standard of these x-ray films?

	KODAK	AGFA	FUJI	OTHERS" specify"
EXCELLENT				
GOOD				
MODERATE				
BAD				

5. Do you have a good standard storage conditions?

- Yes.
- No.

If "NO", please mention reasons

-----6. Do you have enough fast intensifying screens?

- Yes.
- No.

If "NO", please mention reasons

7. Do you have enough film hangers for all sizes?

- Yes.
- No.

If "NO", please mention reasons

8. Which types of processing agents you commonly use?

	QUANTITY	EFFICIENCY	REASONS if bad
KODAK			
AGFA			
FUJI			
OTHERS "SPECIFY"			

***Efficiency levels: excellent, good, moderate, bad and, destroyed....

9. Are you a member of the administrative council of the hospital?

- Yes
- No

10. Do you proceed your radio diagnosis materials demand policy to the hospital council at a proper time?

- Yes
- No

11. Do you arrange your future radio diagnosis materials demand policy and for how long is it?

- Yes
- No

12. Who decides the materials and equipments quality to be purchased?

- Super intendant.
- Senior radiologist.
- Supplier official.
- Other "specify"

13. Are you the ONE who orders the radio diagnosis materials for your x-ray department?

- Yes
- No

If "NO", please mention reasons

14. Do you have periodical plans for your radio diagnosis materials supply in your department?

a. Yes

b. No

If "NO", please mention reasons

15. Which film trade mark do you used to order?

c. Kodak Agfa Fuji Others

16. Why s do you order this or these trade marks only?

17. What are the quality standards of radio diagnosis materials in your department?

d. Excellent Good Average Bad

State reasons if it is

"BAD"-----

18. Specify the storage conditions for x-ray films and chemical agents in your department?

e. Excellent Good Average Bad

State reasons if it is "BAD"-----

19. Intensifying screens: Availability in your department and whether they are enough or not and why?

20. X-ray films hangers: Availability in your department and whether they are enough or not and why?-----

21. Is your dark room designed and equipped within the limits of standards in action?

f. Yes

g. No

If "NO", please mention reasons

22. Specify types, numbers and, efficiency conditions of x-ray machines in your department?

TYPE	QUANTITY	EFFICIENCY	REASONS if bad or destroyed

***Efficiency levels: excellent, good, moderate, bad and, destroyed....

23. Technologist staff in your department: Number and the levels of their training and qualification?

TRAINING&	EXCELLENT	GOOD	MODERATE	BAD
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QUALIFICATIONS				
NUMBER				

24. Do you have on-job-training for your department staff?

h. Yes

i. No

If "NO", please mention reasons

-----Do you have quality control program in your department?

j. Yes

k. No

If "NO", please mention reasons

25. Are you satisfied with your current running supply policy?

l. Yes

m. No

If "NO", please mention reasons

QUESTIONNAIRE

Senior technologist

NAME: ----- GENDER-----

OCCUPATION: -----POSITION-----

1. Are you satisfied with the standard of service in your department?
 - Yes.
 - No.
 - Would you explain briefly in either case-----

2. Do you have all sizes of films you need for requested x-ray examinations in your department?
 - Yes.
 - No.
3. Which sizes of films do you find shortage in?
4. What is the average quantity of rejected films per week in your department?
 - 1-5%
 - 6 -10%
 - More than 10%
5. What are the reasons for that rate?
 - Mishandling
 - Bad quality
 - Others
“specify”-----

6. Do you find a significant variation in x-ray materials' quality due to different manufacturers' sources?
 - Yes.
 - No.

7. Do you prefer a certain manufacturer's products due to its high trusted quality?
- x-ray materials:
 1. yes "mention"-----
 2. no
 - x-ray equipments:
 1. yes "mention"-----
 2. no
 - all:
 1. yes "mention"-----
 2. no
8. Do you think that the applied supply channels are ideal enough to run the services in your department?
- Yes.
 - No.
9. Is your x-ray department store obeys the standards in radio diagnosis materials' storage?
- Yes.
 - No.
10. Does your department cover all the hospital requested x-ray examination?
- Yes.
 - No. (please point out the reasons):
 1. Shortage of x-ray films.
 2. Shortage of contrast media.
 3. Shortage of chemical agents.
 4. Equipments in efficiency.
 5. Shortage of certain types of x-ray equipments.
 6. Other reasons "specify"
11. Do you follow the storage standards in action?
- Yes.
 - No.
12. Are you in co-operation with other hospitals in matters of supply?
- Yes.
 - No.
13. Do you follow a central policy for purchasing radio diagnosis materials?
- Yes.

- No.
14. Which central purchasing do you deal with?-----

15. Do you have a say in purchasing radio diagnosis materials?
- Yes.
 - No.
16. Do you have a say in purchasing radio diagnosis equipments?
- Yes.
 - No.
17. How frequent are the break downs of radio diagnosis equipments in your department yearly?
- Once.
 - Twice
 - Several
18. Do you check the radio diagnosis equipments periodically?
19. Do you have a say in purchasing radio diagnosis materials?
- Yes.
 - No.
20. Is there any assigned duration for maintenance?
- Monthly.
 - 3 months
 - 6months
21. Are you satisfied with the radio diagnosis equipments in your department?
- Yes.
 - No. (please mention why)-----

22. Do the radio diagnosis equipments fulfill the hospital specialty needs?
- Yes.
 - No. (please mention why):

1. Shortage of x-ray films.
 2. Shortage of contrast media.
 3. Shortage of chemical agents.
 4. Equipments in efficiency.
 5. Shortage of certain types of x-ray equipments.
 6. Other reasons "specify"
23. In case of break down of radio diagnosis equipment; how rapid does the maintenance for that equipment take place?
- Immediately.
 - After 2 weeks.
 - More than 1 month
24. Do you have delay of service due to radio diagnosis material channels and supply?
- Yes.
 - No.
25. Do you have delay of service due to radio diagnosis equipments channels and supply?
- Yes.
 - No.
26. Means of purchasing:
- Direct purchasing.
 - Tenders.
 - Others (please explain):
 1. Formal.
 2. Informal
27. Who decides radio diagnosis materials quality?
- Supplier official.
 - Senior technologist.
 - Senior radiologist
28. Who decides radio diagnosis equipments quality?
- Supplier official.
 - Senior technologist.
 - Senior radiologist
29. Storage ways?
- General hospital store.
 - Radiology department store.

30. Would you name the origin of your imported materials please?

- One origin.(mention name)-----
- Various origins.(mention names and state reasons for that multi-origin)-----

31. How do you run the maintenance?

- Internally in the hospital (hospital engineer).
- Externally in supplier company workshop (supplier engineer)

32. Do suppliers offer your working staff some training courses?

- Yes.
- No.

33. Estimate loss of chemical processing agents in one year and state reasons for that loss?

- 1 -5%.
- 6 -10%.
- More than 10%
- Reasons:
 1. Mishandling.
 2. Bad storage.
 3. Bad quality.
 4. others"specify"-----

34. Estimate loss of x-ray films in one year and state reasons for that loss?

- 1 -5%.
- 6 -10%.
- More than 10%
- Reasons:
 1. Mishandling.
 2. Bad storage.
 3. Bad quality.

4. others
"specify"-----

35. Estimate loss of contrast media in one year and state reasons for that loss?

- 1 -5%.
- 6 -10%.
- More than 10%
- Reasons:
 1. Mishandling.
 2. Bad storage.
 3. Bad quality.
 4. others
"specify"-----

36. Estimate loss of drugs in one year and state reasons for that loss?

- 1 -5%.
- 6 -10%.
- More than 10%
- Reasons:
 1. Mishandling.
 2. Bad storage.
 3. Bad quality.
 4. others
"specify"-----

37. Do you have a certain level of limitation for radio diagnosis materials which you are influenced to order?

- Yes.
- No.

38. How do you decide your quantity of radio diagnosis materials?-----

QUESTIONNAIRE TECHNOLOGISTS

NAME: -----AGE: -----
DATE OF GRADUATION: -----CURRENT
OCCUPATION-----

1. x-ray films commonly used in your x-ray department:
 - quantity per day
 - Condition (excellent, good, moderate and, bad).
 - Quantity satisfies the department needs (yes or no).

	KODAK		AGFA		FUJI		OTHERS <small>"Specify"</small>	
QUANT./DAY								
CONDITION								
ENOUGH QUANT.?	YES	NO	YES	NO	YES	NO	YES	NO

2. X-films hangers commonly used in your x-ray department

TYPE				
QUANT.				
CONDITION				

3. Intensifying screens commonly used in your x-ray department:

TYPE				
QUANT.				
CONDITION				

4. Is there any delay of service due to radio diagnosis material supply delay?
 - Yes
 - No
5. Do you order the radio diagnosis materials according to a statistical basis?
 - Yes
 - No

6. x-ray machines in your department:

TYPE				
QUANTITY				
EFFICIENCY				

7. Are the x-ray machines enough to satisfy the needed service in your hospital?

- Yes
- No

8. Is your dark room constitution is according to the standards?(light, cooling system, films storage)

9. x-ray department staff (technologists, dark roomers, clerks...etc)

	Technologists			Dark roomers			Clerks			Others "Specify"		
Quantity												
Qualification												
Need wise	Over	Enough	shortage	Over	enough	shortage	Over	enough	shortage	Over	enough	Shortag