

A photograph of a modern hospital reception area. In the foreground, there is a long wooden reception desk with several computer monitors and staff members working. The background shows a brightly lit corridor with orange walls and a curved ceiling. The text is overlaid on the left side of the image.

“STUDY ON PATIENT REPORTED OUTCOME MEASURES OF KIDNEY TRANSPLANT PATIENTS”

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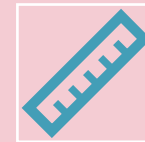
CONTENTS

- Introduction
- Aim & objectives
- Methodology
- Result & Analysis
- Conclusion
- Suggestions

INTRODUCTION:



Patient -reported outcomes (PROs) are reported directly by the patients , without interpretation of patient's response by a clinicians or anyone else.



PROs are measured using patient -reported outcome measures (PROMs).



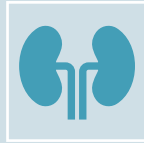
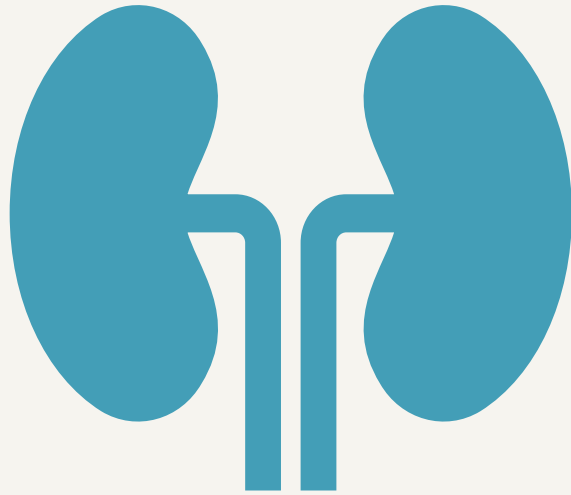
PROMs are a critical components of assessing whether clinicians are improving the health of patients.



ORIGIN

- PROMs is a set of questionnaires that provide ideas about the views of patients on their health status.
- There are 2 types of PROMs that are used in health services i.e., Generic and Disease specific. PROMs were firstly introduced in England and in some parts of US and were highly useful in Pharmacology and healthcare services

AIM & OBJECTIVES:



AIM- The main aim of this study is to gather direct feedback from patients of kidney transplant in order to improve health services.



Objectives- To measure a person's perception of their own health through questionnaires.

METHODOLOGY:



- **Study Design-** Observational cross-sectional study
- **Setting** – MAX Hospital, Mohali.
- **Study sample-** Patients undergoing Kidney Transplant Surgery for the month of December, January , February and March.
- **Study Tools** – Data was taken primarily through the questionnaires which constitutes of the questions that fulfil the requirements of the objectives for this study. A questionnaire was prepared based on the objectives of the study and data was collected
- **Duration of the Study** –The duration for the study was three months i.e., 20th Feb. 2023 – 20th May 2023
- **Sample Size-** Total 31 patients reported from December 2022 to March 2023.



RESULT AND ANALYSIS

Though the analysis of the data collected, the following objectives were accomplished: -

- 1. Communication between the patient and physician.
- 2. Direct review of patient.
- 3. Improved quality of care and healthcare services.
- 4. Benefits of doing PROMs routinely.

	(n)%		
	Before surgery	After 1 month	After 3 months
No need	42	100	100
Occasionally	17	0	0
Regular ad weekly	1	0	0
Same as before surgery	0	0	0
Worse than pre-surgical status	0	0	0

	(n)%		
	Before surgery	After 1 month	After 3 months
No Infection	90	97	100
Slightly infection	3	0	0
Infection was treated with oral antibiotics	6	0	0
Infection needed admission for treatment	0	0	0
State worse than pre-surgical status	0	0	0

1. Do you need to undergo Dialysis now?

- It was observed that 17% of patients feels to undergo dialysis before surgery but after surgery no dialysis was needed.

2. Do you face problem of surgical site infection?

- It was observed that only 9% of patients were facing problem of infection before surgery. it shows that good hygiene was maintained in the hospital and patients were not infected after the surgery

	(n)%		
	Before surgery	After 1 month	After 3 months
No	87	100	100
Slightly	13	0	0
Moderate	0	0	0
Severe	0	0	0
Extreme	0	0	0

3. Do you face problems of generalized infection/fever?

- From the above result it was observed that 87% of patients were not facing problems of generalized infection/fever whereas 13% were facing fever slightly. After 1 month and 3 months no fever was observed in any patient.

	(n)%		
	Before surgery	After 1 month	After 3 months
Perfectly	61	84	100
Little discomfort	39	10	0
Able to do few activities	0	6	0
Not able to do anything	0	0	0
Worse than pre-surgical status	0	0	0

4. Are you able to do your daily routine activities?

- It was observed that surgery was performed well and post operative symptoms were not there. Patients were told to do their daily routine work after one week of surgery and almost all the patients were fine after 3 months of surgery.

	(n)%		
	Before surgery	After 1 month	After 3 months
No	65	100	100
Slightly	35	0	0
Moderate	0	0	0
Severe	0	0	0
Extreme	0	0	0

5. Do you have pain?

- From the above information it is seen that 65% of patients felt no pain before surgery whereas 35% of patients faced slight pain. After 1 month of surgery patients felt no pain and after 3 months results were same.

	(n)%		
	Before surgery	After 1 month	After 3 months
No	61	77	94
Slightly	35	19	3
Moderate	3	3	3
Severe	0	0	0
Extreme	0	0	0

6. Do you have fatigue?

- From the above result it was observed that before surgery 60% of patients were fine but 35% of patients had fatigue issues. After 1 month of surgery 77% of patients were fine and were able to do work. After 3 months of surgery 94% of patients were fine and only 6% of patients had fatigue. After surgery the rate of patients that were fine increased as compared to before.

	(n)%		
	Before surgery	After 1 month	After 3 months
No	90	97	100
Slightly	6	3	0
Moderate	3	0	0
Severe	0	0	0
Extreme	0	0	0

	(n)%		
	Before surgery	After 1 month	After 3 months
No	71	100	100
Very rarely	29	0	0
Sometimes	0	0	0
Frequent	0	0	0
Hospitalization with ICU stay	0	0	0

7. Do you have Anxiety/Depression?

- It was observed that before surgery 90% of patients were not facing any anxiety/depression where as 9% of patients were facing slightly or moderate anxiety/depression. After 1 month 97% of patients were not facing any anxiety whereas remaining 3% were facing a slight anxiety. Certain exercises and yoga were suggested to the patients. But after 3 months all the patients were free from depression.

8. Need for hospitalization?

- It was observed that 29% of patients needed hospitalization very rarely whereas rest were fine. After one month results were different as no patient needed hospitalization and results were same after 3 months of surgery. It was observed that after surgery patients were satisfied with the surgery and patients visited hospital only for follow ups.

	(n)%		
	Before surgery	After 1 month	After 3 months
Poor	84	0	0
Fair	13	74	29
Good	3	25	58
Very good	0	0	6
Excellent	0	0	0

9. How would you rate your overall experience?

- Before surgery patients were facing many problems of pain, fatigue or they have to undergo dialysis. But after surgery their experience changed and they were happy with the treatment and the services provided by the hospital. As mentioned above 84% of patients were in a bad state before surgery but after 1 month of surgery 74% of patients were happy with the services of the hospital and 25% were feeling good. Patients were satisfied with the treatment and proper follow ups were taken by the Doctor.

SUGGESTIONS-

PROMs should be used in intervals such as pre-transplant , post -transplant , follow-ups etc.

Questionnaire of PROMs should be prepared according to the needs of the patients.

Protocols should be developed in the communication of healthcare professionals and the patient.

PROMs data should be collected beyond the post-transplantation to ensure that the patient is well and is not facing any sort of problem.



THANK YOU

