

METHODOLOGY PRESENTATION

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INTRODUCTION :

Electro convulsive therapy (ECT) is regarded as a life saving procedure in some psychiatric disorders and is also extremely effective in conditions where adequate trials of other treatment modalities such as psychotropic and or psychological treatment have proven ineffective or poorly effective. since its introduction as a non invasive brain stimulation in 1938,ECT has been widely used in many countries including such as including the united states and china.

TITLE OF THE STUDY :

A study to assess the knowledge and attitude regarding ECT among caregivers of psychiatric patients attending in psychiatric OPD, SLIMS Hospital at Puducherry .

NEED FOR THE STUDY:

- According to a 2023 study, 95.8% of caregivers of patients with major psychiatric disorders who received Electro convulsive therapy (ECT) Completed an assessment .
- This study is also found that 55.4% of caregivers reported receiving information about ECT before the procedure, and 46.7% believed that ECT was effective.

BACKGROUND OF THE STUDY:

Electro convulsive therapy (ECT) is a safe and effective therapy for individuals suffering from major psychiatric disorders, but attitudes towards ECT among patients and caregivers have not been well studied. The present study is to assess the

Knowledge and attitude regarding ECT among caregivers of psychiatric patients

Attending OPD, SLIMS

STATEMENT OF THE PROBLEM

A study to assess the knowledge and attitude regarding ECT among caregivers of psychiatric patients attending OPD, SLIMS hospital at Puducherry.

OBJECTIVES OF STUDY :

- ❖ To assess the knowledge and attitude regarding ECT among caregivers of psychiatric patients attending OPD, SLIMS Hospital, Puducherry.
- ❖ To find out the associate between the knowledge and attitude regarding ECT among caregivers of psychiatric patients attending OPD, SLIMS hospital, Puducherry.

ASSUMPTIONS:

The study assumes that,

- ✓ Caregivers have good knowledge and attitude towards electro convulsive therapy are considered desirable attributes in therapeutic intervention and good outcome.
- ✓ Caregivers were not adequately provided with comprehensive information about ECT yet generally had positive attitudes towards ECT.
- ✓ Caregivers more aware of promotion and protection of health during mental illness and receiving ECT.

DELIMITATION

The study is delimited to

- ☐ Data collection period of 1 week
- ☐ Sample size : 30
- ☐ SLIMS hospital , Puducherry

OPERATIONAL DEFINITION:

- **ASSESS** : In this study it refers to the statistical analysis of the information gathered through questionnaire related to the ECT among caregivers of psychiatric patients.
- **KNOWLEDGE**: In this study it refers to awareness of caregivers regarding ECT procedure, indication, usefulness and side effects as measured by knowledge questionnaire.
- **ATTITUDE**: In this study it refers to positive or negative feelings of care giver of psychiatric patients regarding ECT as measured by rating scale.
- **ECT** : In this study it refers Electro convulsive therapy is an effective and safe. it is a non invasive brain stimulation technique, artificially inducing in anesthetized patient by passing an electric current through electrode applied to the patient's head.

- CAREGIVERS: In this study it refers to people accompanying patients who are attending psychiatric OPD in SLIMS, puducherry.

REVIEW OF LITERATURE

Review of literature is an essential component of the research process . Review of literature is a practical examination of publication related to the topic of interest . The review should be comprehensive and evaluative . The review of literature helps to plan and conduct the study in a systemic and specific manner .

SECTION A : Reviews related to knowledge towards ECT among caregivers of psychiatric patients.

SECTION B : Reviews related to the attitude towards ECT among caregivers of psychiatric patients .

SECTION C : Reviews related to associate the between knowledge and attitude regarding ECT among caregivers of psychiatric patients in SLIMS hospital.

METHODOLOGY

METHODOLOGY

RESEARCH APPROACH

Quantitative research approach will be used for this study .

RESEARCH DESIGN

Descriptive survey research design will be adopted for this study .

RESEARCH SETTINGS

Psychiatric OPD,SLIMS hospital at Puducherry .

POPULATION

All the caregivers of psychiatric patients in Psychiatric OPD SLIMS hospital, Puducherry .

SAMPLE

The caregivers of psychiatric patients in psychiatric OPD, SLIMS hospital at puducherry, who fulfill the inclusion criteria and were available at the time of data collection period.

CRITERIA FOR SELECTION OF SAMPLE

a) Inclusion criteria :

■ CAREGIVERS:

- both men and women
- those who are attending OPD in age greater than 20 years .
- Available at time of data collection.
- those who were willing to participate in the study

b) Exclusion criteria :

- caregivers
 - who are all significant with cognitive deficits.
 - not willing to participate in study.

SAMPLING TECHNIQUE

Consecutive sampling technique will be used for the study.

SAMPLE SIZE

In this study, sample consists of 30 caregivers of psychiatric patients attending psychiatric OPD, SLIMS hospital, Puducherry.

PLAN FOR DATA ANALYSIS

- ❑ Descriptive and inferential statistics will be used to analyze the frequencies , percentage , mean and standard deviation to demographic variables .
- ❑ Chi – square test is used to find association between test result with selected demographic variables .

DATA COLLECTION PROCEDURE

- a) After obtaining prior permission from the concerned authorities for conducting the study .
- b) A total of 30 samples who fulfilled the inclusive criteria for sample collection will be selected using consecutive sampling technique.
- c) The purpose of the study will be explained and also giving assurance about privacy that informant will not be disclosed and informed consent will be obtained from the study participants .

TOOLS FOR THE STUDY

TOOLS FOR THE STUDY
APPENDIX
SECTION A
DEMOGRAPHIC VARIABLES (15)

1. **Age of caregiver :** _____
2. **Gender**
 - a) Male b) Female
3. **Type of family:**
 - a)nuclear family b)joint family
4. **Marital status:**
 - a) Married b) Unmarried
5. **Religion:**
 - a) Hindu b) Christian c) Muslim
6. **Education:**
 - a)Primary b)Higher secondary c)Graduate d)Illiterate

7.Occupational status

- a)Business b)coolie c)self employment d)Government employment

8.Socio economic status

- a)Lower class b) Middle class c)Upper class

9.Area of residence

- a) Rural b) Urban

10.Have you seen come across any patients taking treatment of ECT?

- a)yes b) no

11.From where did you hear about ECT?

- a)hospital b)mass media c)newspaper d)others

12.Do you know more information about ECT?

- a)yes b)no

13.Do you have any bad habits?

- a)alcohol use b)tobacco usage c)drug addiction d)no negtative habits

SECTION-B

SELF STRUCTURED QUESTIONNAIRES

PROCEDURE:(7)

1.What is ECT?

- a) Electric current therapy
- b) Electro convulsive therapy**
- c) Electro compressive therapy
- d) I don't know

2.What is main purpose of ECT?

- a) To monitor brain activity
- b) To stimulate brain activity**
- c) To record brain waves
- d) None of the above

3.How is ECT given?

- a) Through a special machine using electrodes**
- b) Using electric wires attached directly to the body
- c) Don't know

4. On which part of body, ECT is administered?

- a) Chest
- b) Head**
- c) Hand
- d) Don't know

5. Who administers ECT?

- a) Team of Psychiatrist, anesthetist and nurse**
- b) Anesthesiologist
- c) Team of social worker, ASHA worker and junior nurse
- d) All of the above

6. How long the current is applied?

- a) For fraction of seconds**
- b) For Minutes
- c) For more than half hour
- d) Don't know

7.How often is ECT given?

- a) Daily
- b) Once to thrice a week**
- c) Monthly
- d) Only when symptoms occur

8.ECT is usually administered in which setting?

- a) Psychiatric ward
- b) Intensive care unit
- c) Operation theatre
- d) Both A and C**

9.Is informed consent necessary for ECT?

- a) Yes**
- b) No
- c) Don't know

INDICATION:(6)

1.Which are the condition for ECT is recommended?

- a) Severe depression, schizophrenia**
- b) Personality disorder
- c) Anxiety disorder
- d) Don't know

2.Is it safe for pregnant woman to receive ECT , If needed?

- a) Yes, reducing the symptoms
- b) No Dangerous to developing fetus**
- c) Don't know

3.Can ECT be given to Elderly (> 60 years)?

- a) Yes**
- b) No
- c) Don't know

4. Is ECT only given to hospitalized patients?

- a) Yes
- b) No
- c) Don't know

5. Does ECT completely cure mental illness?

- a) Yes
- b) No**
- c) Don't know

6. Which of the following is a contraindication for ECT?

- a) Diabetes mellitus
- b) Myocardial infarction within 3 months**
- c) Don't know

SIDE EFFECTS:(6)

1.Does ECT lead to permanent loss of memory?

- a) Yes
- b) No**
- c) Don't know

2.Does ECT result in permanent damage to brain?

- a) Yes
- b) No**
- c) Don't know

3.Is headache, a common side effect of ECT?

- a) Yes**
- b) No
- c) Don't know

4.Is the chance of death during ECT is very high?

- a) Possible
- b) Impossible**
- c) Don't know

5.Does ECT cause permanent damage to other body parts?

- a) Yes
- b) No**
- c) Don't know

6.Do most of patients receiving ECT develop epilepsy later?

- a) Possible
- b) Impossible**
- c) Don't know

SECTION-C

S. no	Item	Strongly agree (4)	Agree (3)	Unsure (2)	Disagree (1)	Strongly disagree (0)
1.	If ECT fails in a patient, then no other treatment will succeed.					
2.	ECT is at times life savings.					
3.	Treatment with ECT is outdated.					
4.	ECT is the worst treatment option under any circumstances.					
5.	ECT is a cruel treatment.					
6.	ECT should inly be used as a last resort.					
7.	I find the most disturbing aspect of ECT to be the use of electricity.					

S. No	Item	Strongly Agree (4)	Agree (3)	Unsure (2)	Disagree (1)	Strongly Agree (0)
8.	ECT is more likely to be beneficial than harmful.					
9.	In this day of modern medicine, ECT should be banned.					
10.	I would recommend ECT for a patient if clinically indicated.					
11.	I would agree to have ECT if I were depressed.					
12.	ECT is an embarrassing experience contributing to the stigma of mental illness.					
13.	Public opinion is misled by media.					
14.	People should not be afraid of ECT.					

S. No	Item	Strongly Agree (4)	Agree(3)	Unsure(2)	Disagree(1)	Strongly Agree (0)
15.	I am not opposed to its use, but I would not recommended it to my patients.					
16.	ECT is a frightening treatment to have					
17.	ECT is helpful but the side effects are severe.					
18.	Sometimes ECT may be preferable to alternative treatment.					

Answers:

Section B:

PROCEDURE:

- 1) b)Electro convulsive therapy
- 2) b)To stimulate the brain activity
- 3) a) Through a special machine using electrodes
- 4) b)Head
- 5) a)Team of psychiatrist,anesthetist and nurse
- 6) a)For fraction of seconds
- 7) b)Once to thrice a week
- 8) d)Both A and C
- 9) a)yes

INDICATION:

- 1) a) severe depression, schizophrenia
- 2) b) No dangerous to developing fetus
- 3) a) yes
- 4) a) yes
- 5) b) no
- 6) b) myocardial infarction within 3 months

SIDE EFFECTS:

- 1) b) no
- 2) b) no
- 3) a) yes
- 4) b) impossible
- 5) b) no
- 6) b) impossible

THANK YOU!!!