

Drug Adherence in MDR-TB Patient, Samastipur District (BR)

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INNOVATORS IN HEALTH

Introduction

Tuberculosis. Is a multi systemic infectious disease caused by Mycobacterium tuberculosis. It is the most common cause of infectious disease related mortality world wide.

TB based on the organ - pulmonary TB and Extra pulmonary. Actually occur in almost all organ except hair and nail.

MDR-TB- Multi Drug Resistant Tuberculosis is a form of TB infection caused by the bacteria that are resistant to treatment with two most powerful first line drugs anti tuberculosis drugs Isoniazid and Rifampicin

99 DOTS – 99 Dots is a low cost approach for monitoring and improving the already existing Directly Observed treatment Short Course (DOTS)

This study was conducted , to understand the problems faced by the MDE-TB patients in managing large number of drugs

OBJECTIVE

- To study demographic profile of MDR-TB Patient
- To assess adherence in MDR-TB patients

Methodology

- Innovators In Health running the programe in 3 different blocks(Bibhutipur, Srairanj and Ujyarpur) of Samastipur district were selected for the study.

▪basis

- Study design cross sectional study
- Sample size and sample technique 19 MDR-TB patients were selected by simple random techniques from MDR -TB patient treatment register

Data collection method

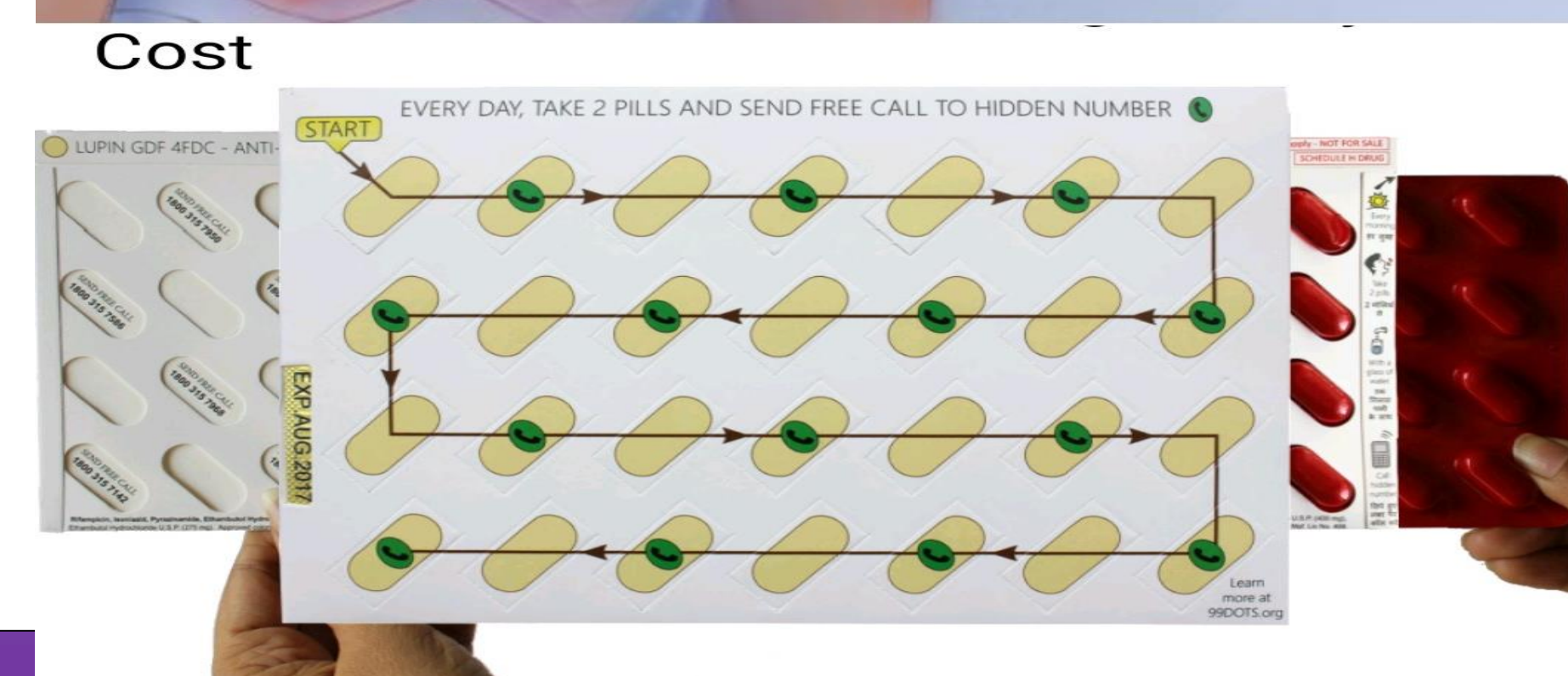
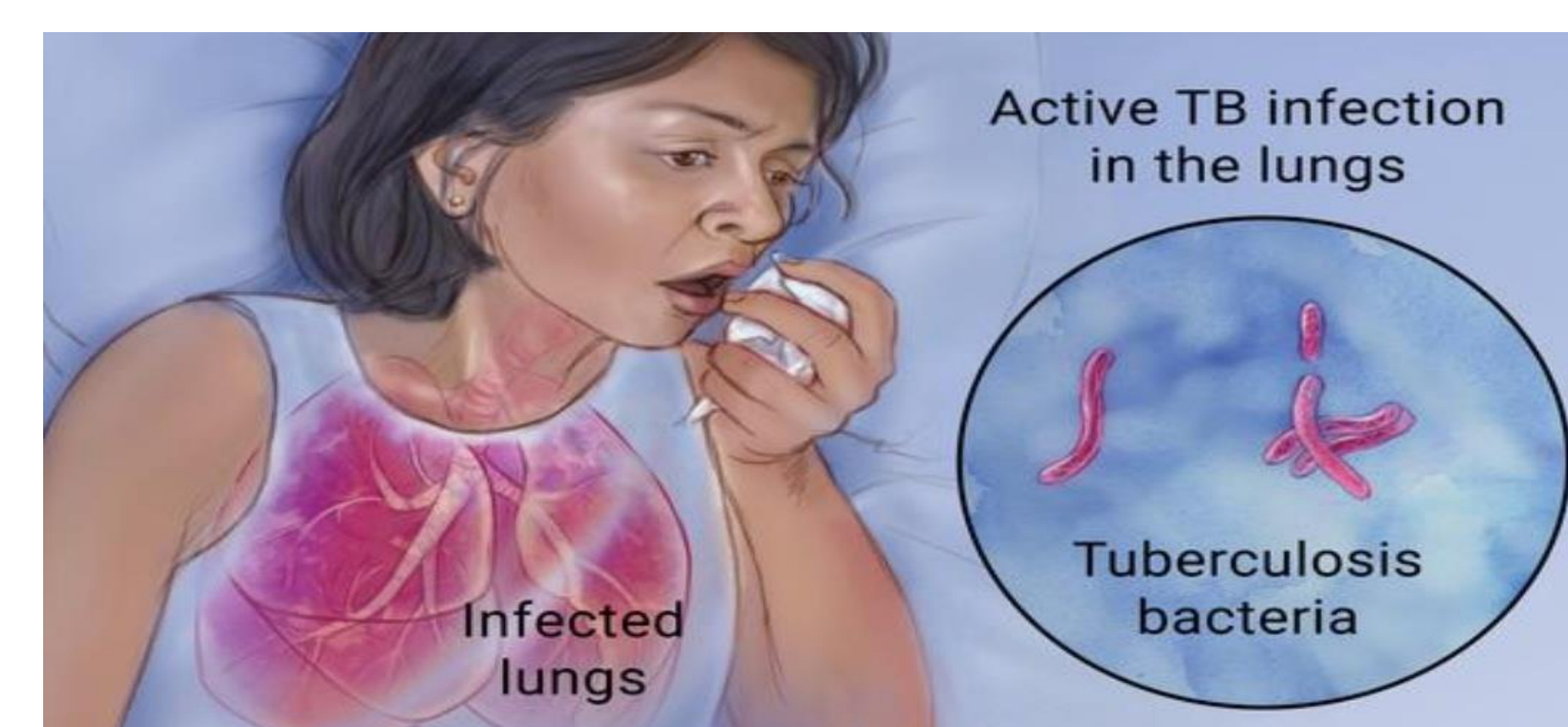
Interview conducted with MDR -TB patient using CAPI

STUDY TOOLS Semi structure questionnaire

- Data analysis- frequency, percentage of study variables was generated

using CAPI device

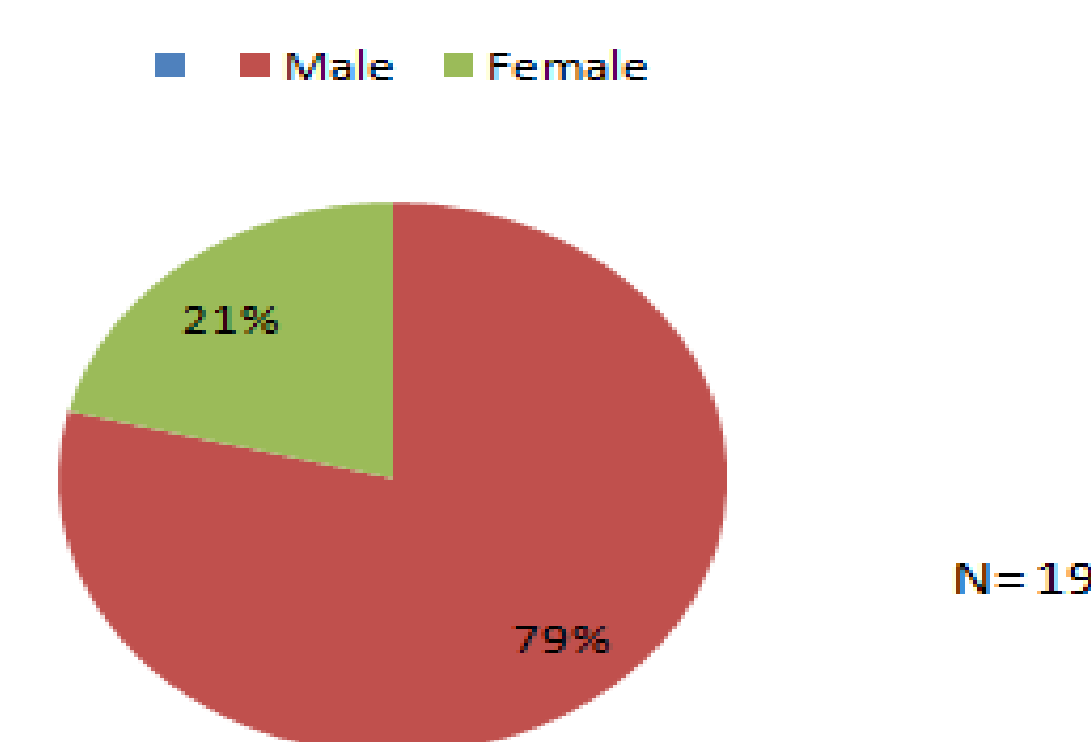
- Ethical considerations Oral consent



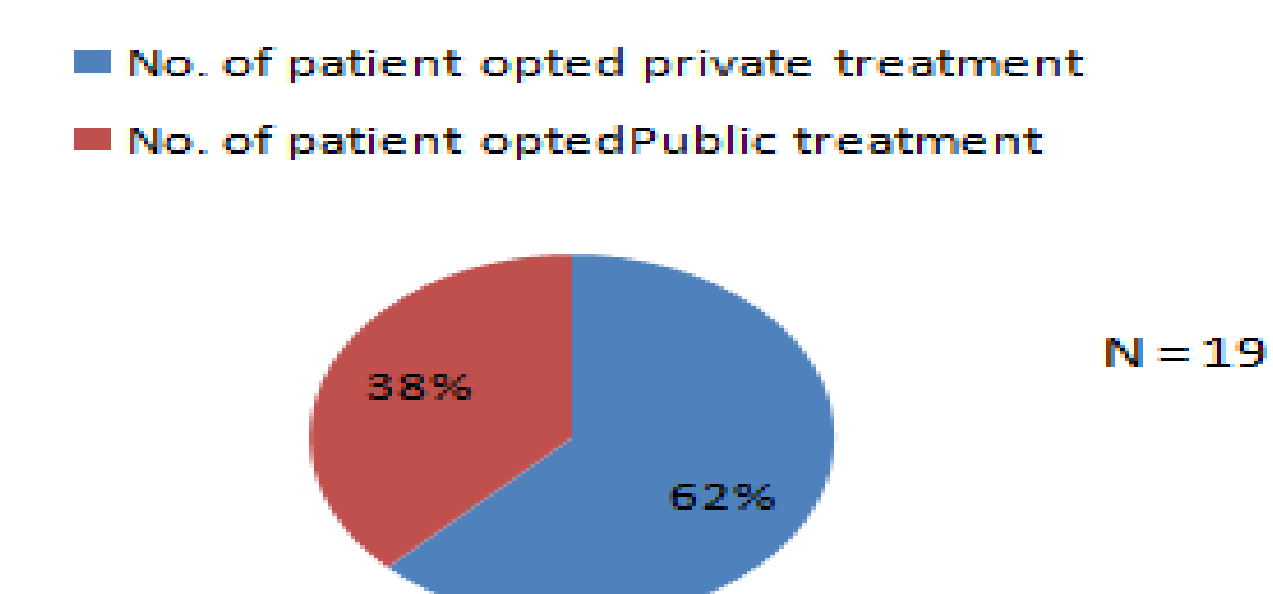
Findings

- Out of 19 patients, all are having pulmonary MDR-TB
- All 19 MDR TB patients are taking their medicine without any interruption
- out of pocket expenditure of private treatment holder is 276000 rupees

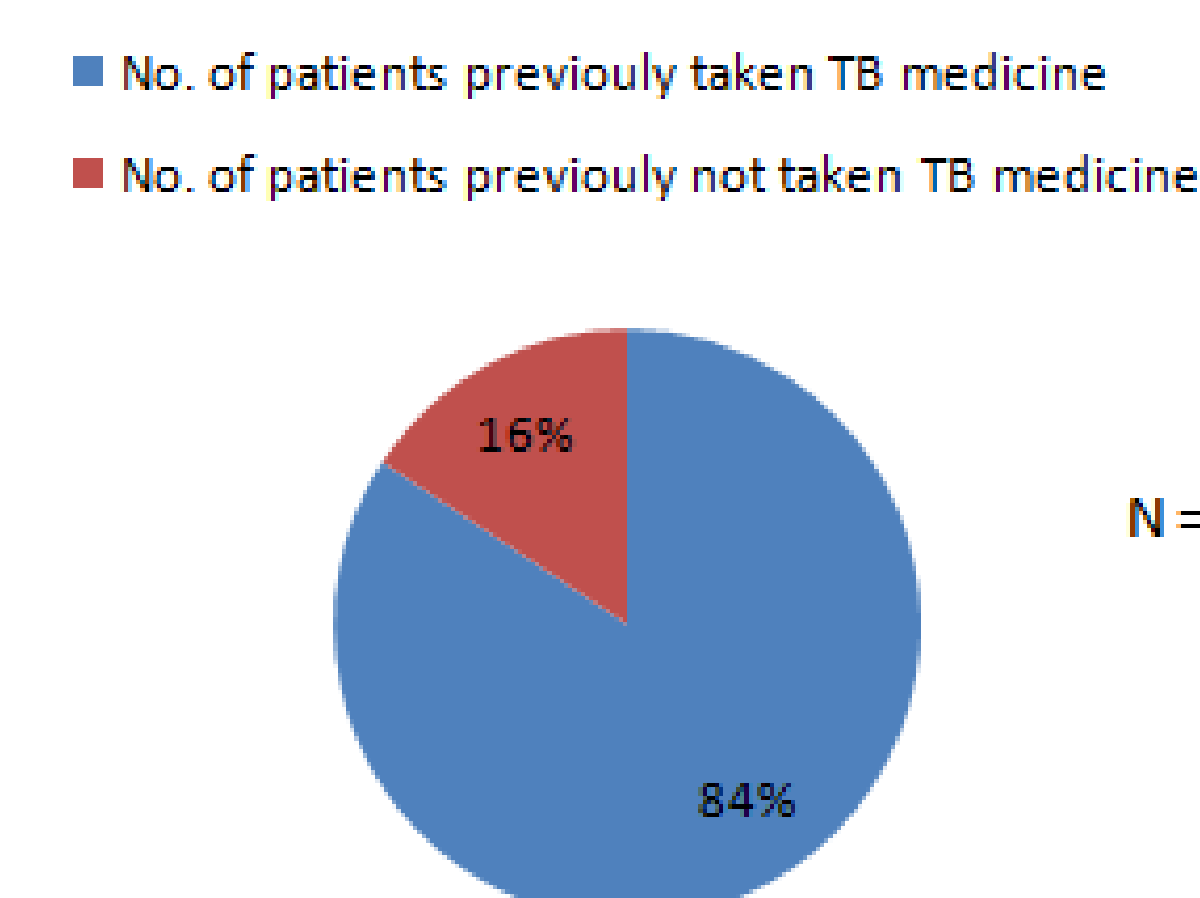
Sex of MDR-TB Patients



Treatment started before joining Govt. treatment



Type of MDR-TB patients



Conclusions

Patients don't know about govt. services and facility regarding TB treatment

Proper drug adherence in MDR-TB patients increase the chances of recovery(RNTCP)

Patients don't have food to take to take their medicine

Suggestions

- Provide food to MDR-TB patients with treatment by RNTCP
- Provide information regarding TB treatment in government hospitals
- Patients should be provided Medicine Management Box which will reduce the chances of error intake of medicine

