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ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

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Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

M.Pharm [Pharmacy practice] Students under taking Project work/Field work / Internship for the Academic Year 2022-2023.

S.NO	DESCRIPTION
1	Certificate of Head of Institution
2	List of M.Pharm [Pharmacy practice] Students under taking Project work/Field work / Internship-HOI
3	List of M.Pharm [Pharmacy practice] Students under taking Project work/Field work / Internship.



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Number of Students undertaking **Project work/Field work / Internship** for the Academic Year **2022-2023** is **12**.

The Students Participated in More than one activity has been counted as **ONE** only.




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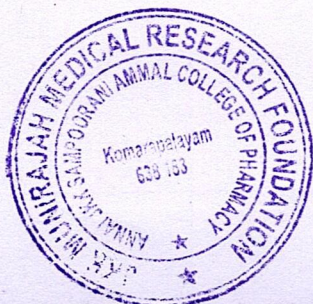
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This to certify that the List of **M.Pharm [Pharmacy practice]** Students under taking **Project work/Field work / Internship** for the Academic Year 2022-2023 are given below.

S. No	Reg.No	Name of the Student	Year	Project Work-Topic	Field work	Internship
1.	261940560	M MUHAMMED SHABEEB	II	KNOELEDGE ATTITUDE AND PRACTICE ON LIFESTYLE AND ASSOCIATED FACTORS AMONG CARDIOVASCULAR DISEASE PATIENTS IN A MULTISPECIALITY HOSPITAL	-	-
2.	261520507501	AHAMMED SHABEEN	II	IMPACT OF CLINICAL PHARAMACIST ONTERVENTION IN MEDICATION ADHERANCE AND QUALITY OF LIFE IN CHRONIC OBSTRUCTIVE DISEASE AND BRONCHIAL ASTHAMA-A PROSPECTIVE OBSERVATION AL STUDY	-	-



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3.	261520507502	ANAND P	II	ASSESSMENT OF DRUG UTILIZATION PATTERN OF ANTI COAGULANTS AND ANTI PLATELET AGENTS IN A TERTIARY ACRE SETTING	-	-
4.	261520507503	BHAVANA R	II	ROLE OF PHARMACIST IN ASSESMENT AND EDUCATION REGARDINGKN OWLEDGE, ATTITUDE AND PRACTISE OF ORGANO PHOSPHOROUS POISOING , FARMERS OF ATTAPADI	-	-
5.	261520507505	FITHAL K JYOTHISH	II	RISK ASSESMENT , COMPLICATIO NS AND TREATMENT OF PATIENTS AFTER CORONARY ARTERY BYPASS GRAFTING (CABG)SURGER Y	-	-
6.	261520507507	G JANARTHANAN	II	ASSESSMENT OF HEALTH	-	-



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				RELATED – QUALITY LIFE IN DIABETIC NEUROPATHY PATIENTS – CROSS SECTIONAL STUDY		
7.	261520507509	R KALIDISAN	II	ASEESMENT OF PHYSICAL FUNCTION AND MEDICATION ADHERANCE S IN PATIENTS WITH RHEUMATOID ARTHRITIS	-	-
8.	261520507510	N PRAVIN KUMAR	II	KNOWLEDGE ATTITUDE AND PRACTISE ON OVER THE COUNTER DRUG AMONG DISPENSERS IN PHARMACY :A CROSS- SECTIONAL STUDY	-	-
9.	261520507511	P RABEEH	II	A STUDY OF POLYPHARAM ACY AND ITS CLINICAL OUTCOME AND ECONOMICAL IMPACT AMONG PEDIATRIC PATIENT	-	-



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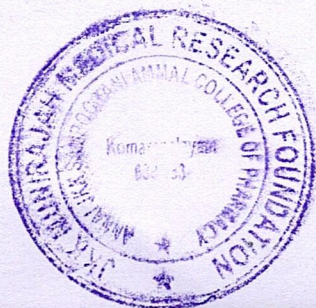
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10.	261520507512	SHAHANA K	II	A PROSPECTIVE OBSERVATION AL STUDY ON PATTERNS OF INFECTIONS AND ANTI MICROBIAL DRUG PRESCRIBING AMONG PREGNANT WOMEN ATTENDING OBG WARD IN A TERTIARY CARE HOSPITAL IN SOUTH INDIA	-	-
11.	261520507514	V M SWAMINATHEN	II	ASSESSMENT OF IMPACT OF OBISITY ON MEDICAL PROBLEMS AND HEALTH RELATED - QUALITY OF LIFE IN ADULTS :A CROSS SECTIONAL STUDY	-	-
12.	261520507513	I SURESH MANUEL	II	STUDY ON AWARNNESS ABOUT TUBERCULOSI S AND TREATMENT ADHERANCES IN	-	-



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				TUBERCULOSIS PATIENTS		
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**KNOWLEDGE ATTITUDE AND PRACTICE ON LIFESTYLE AND
ASSOCIATED FACTORS AMONG CARDIOVASCULAR DISEASE
PATIENTS IN A MULTISPECIALITY HOSPITAL**

**Dissertation submitted to
THE TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY,
CHENNAI-32**

In partial fulfillment of the requirements for the award of the Degree of

**MASTER OF PHARMACY
IN
PHARMACY PRACTICE**

Submitted by
**MUHAMMED SHABEEB M
REGISTRATION NUMBER(261940560)**

Under the guidance of
**Mr. A SRINIVASAN, M.Pharm.,
Associate Professor**



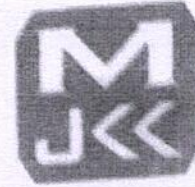
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OCTOBER 2022



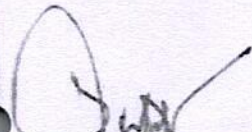
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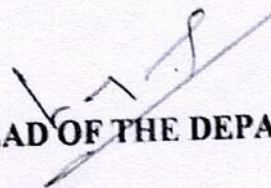


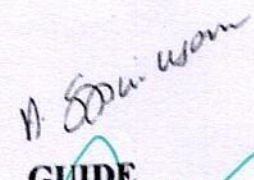
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This is to certify that the dissertation work entitled "KNOWLEDGE, ATTITUDE AND PRACTICES ON LIFESTYLE AND ASSOCIATED FACTORS AMONG CARDIOVASCULAR DISEASE PATIENTS IN A MULTISPECIALITY HOSPITAL" is the bonafide work carried out by, MUHAMMED SHABEEB M (Reg.No:261940560), under the guidance and supervision of Mr. A SRINIVASAN, M.Pharm., Associate Professor, in the Department of Pharmacy Practice.

This is forwarded to the TamilNadu Dr.M.G.R Medical University, Chennai, for the partial fulfillment of requirements for the Post Graduation in M.Pharm Pharmacy Practice (2021-2022).


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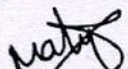
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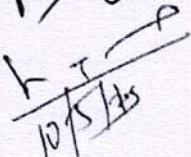
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EVALUATOR (2): 
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CONCLUSION

This study showed that patients have a better attitude rather than knowledge and practice. The attitude on KAP reporting by patients was comparatively good. However, the poor knowledge scores failed to influence their attitude and their practices. Therefore, there is an improvement in the reporting of KAP. Patients are discouraged from reporting KAP due to a lack of knowledge, time, training and confidence. Relevant awareness campaigns such as education awareness programme should be intended to improve KAP reporting which is likely to benefit patients.




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IMPACT OF CLINICAL PHARMACIST INTERVENTION
IN MEDICATION ADHERENCE AND QUALITY OF LIFE IN
CHRONIC OBSTRUCTIVE PULMONARY
DISEASE AND BRONCHIAL ASTHMA – A PROSPECTIVE
OBSERVATIONAL STUDY

A Dissertation submitted to
THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY
CHENNAI – 600032

In partial fulfillment for the award of the degree of

MASTER OF PHARMACY
IN
PHARMACY PRACTICE

Submitted by

AHAMMED SHABEEN

Reg. No. 261520507501

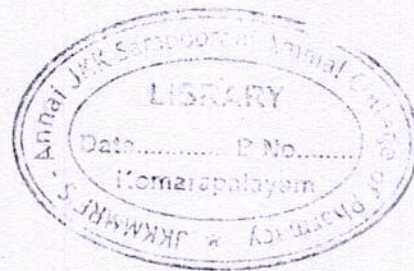
Under the Guidance of

Under the Guidance of

Dr. N. SENTHILKUMAR, M. Pharm., Ph.D.

Professor

Principal of JKKMMRF College of pharmacy



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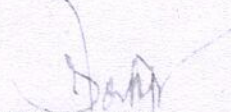
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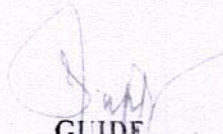
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This is to certify that the dissertation work entitled "IMPACT OF CLINICAL PHARMACIST INTERVENTION IN MEDICATION ADHERENCE AND QUALITY OF LIFE IN CHRONIC OBSTRUCTIVE DISEASE AND BRONCHIAL ASTHMA " is the bonafide work carried out by AHAMMED SHABEEN REG NO 261520507501, under the guidance and supervision of DR N. SENTHIL KUMAR M.PHARM Ph.D., principle of JKKMMRF COLLEGE OF PHARMACY.

This is forwarded to the Tamil Nadu Dr.M.G.R Medical University, Chennai, for the partial fulfillment of requirements for the Degree of Master of Pharmacy (2022-2023).

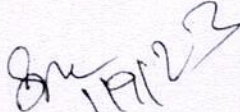

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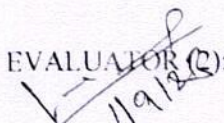
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"Protecting Patients, Guiding Doctor"

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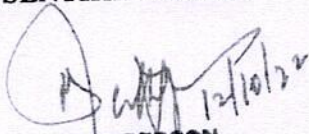
ETHICS COMMITTEE CLEARANCE CERTIFICATE

This is to certify that Mr. AHAMMED SHABEEN [Reg.No: 261520507501] partial fulfillment of requirement for the M.Pharm (2022- 2023) student applied for Ethical Committee functioning in JKKMMRF'S-Annai JKK Sampoorani Ammal College of Pharmacy clearance for carrying out his partial fulfillment of requirement for the Master of Pharmacy Project work entitled.

Institutional Ethical Committee meeting was conducted at our campus and the Project has been approved and can be carried out in the Topic: **"IMPACT OF CLINICAL PHARMACIST INTERVENTION IN MEDICATION ADHERENCE AND QUALITY OF LIFE IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND BRONCHIAL ASTHMA "**

Name : Dr. N. SENTHIL KUMAR

Signature of the



CHAIR PERSON

Ethics Committees for Research on
Human Subjects (ECRHS)

Chairperson

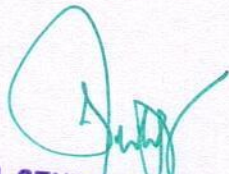
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: Komarapalayam

Date

: 12/10/2022



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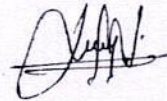
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DECLARATION

I do hereby declare that the dissertation work entitled "IMPACT OF CLINICAL PHARMACIST INTERVENTION IN MEDICATION ADHERENCE AND QUALITY OF LIFE IN CHRONIC OBSTRUCTIVE DISEASE AND BRONCHIAL ASTHMA" submitted to The Tamil Nadu Dr. M.G.R. Medical University, Chennai, in partial fulfillment of requirement for the Degree of **Master of Pharmacy in Pharmacy Practice**, is a bonafide and genuine research work carried out by me, under the guidance of **Dr.N.SENTHIL KUMAR, M. Pharm., PhD Principle of JKKMMRF'S-Annai JKK Sampoorani Ammal College of Pharmacy, Komarapalayam.**

I further declare that this work has not been submitted earlier in part or full for the award of any degree or diploma to this or any other University. The information furnished in this thesis is genuine to the best of our knowledge and belief.



AHAMMED SHABEEN
(Reg. No: 261520507501)

Date: 16/06/2023
Place: Komarapalayam.



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ABSTRACT

Aim: To assess the adherence to medication and quality of life in COPD and Asthma patients using questionnaires.

Objectives:

- To assess the improvement of medication adherence and quality of life in COPD and Asthma patients before and after the counseling.
- To provide better knowledge to the patients regarding their disease and medications by using counseling as an aid.

Methodology:

The prospective observational study was carried out for period of 6 months among in-patients in the General Medicine Department and Pulmonary Department of **Medical College Hospital**. Patients of either sex aged 18 years and above, those who can understand oral and written information and those diagnosed with COPD and Asthma were included in the study. Patients admitted in the ICU, other departments and out-patients, patients with mental or psychiatric diseases, cognitive dysfunction, patients on cancer chemotherapy and dialysis, pregnant and lactating females were excluded from the study.

A suitably designed data collection form was prepared to collect the data. The data collection includes demographics of the patients, culture and sensitivity reports, diagnosis, medications prescribed, doses, route of administration, frequency, and total duration of treatment. Drug chart was analyzed for their adherence. The patients were provided with better knowledge regarding their disease and medications by using counseling as an aid. Medication adherence and quality of life was measured using various questionnaires.

Results:

A total 84 patients was included in the study. Both Asthma and COPD is observed more in the age group above 45 years and most of the patients were males. Most of the patients were with known cases of Asthma and COPD and very few were newly diagnosed. Majority had one or more co- morbidities and few patients were without any co- morbidities. Few patients were ex- smokers in Asthma, majority were non- smokers and very few were current smokers. In, COPD most of the patients were ex- smokers, very few non- smokers and few patients were current smokers.

In Asthma, half of the patients belonged to grade 3 mMRC, very few belonged to grade 1 mMRC and some patients belonged to grade 3, and few patients belonged to grade 4 respectively. In COPD, majority of the patients belonged to grade 3, very few patients

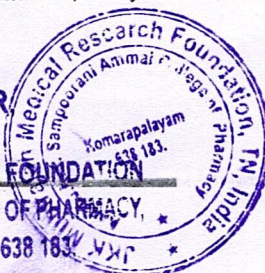

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belonged to grade 2 and few patients belonged to grade 4 respectively. Adherence level was low in majority before counseling and improvement from low to medium was seen after counseling. Health Related Quality of life measurement using SGRO showed improvement in symptoms and impacts after counseling whereas activities remained same in both Asthma and COPD. Using SF-36 as the scale for measuring quality of life, significant improvement was seen in both Asthma and COPD after counseling.

Conclusion: This study could identify the quality of life of patients and adherence to medication in Bronchial Asthma and Chronic Obstructive Pulmonary Disease. Creating awareness about importance of taking each medication is essential for improving drug

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ASSESSMENT OF DRUG UTILIZATION PATTERN OF
ANTICOAGULANTS AND ANTIPLATELET AGENTS IN
TERTIARY CARE SETTING

Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY,

CHENNAI - 32

In partial fulfillment of the requirements for the award of the degree of

MASTER OF PHARMACY

IN

PHARMACY PRACTICE

Submitted by

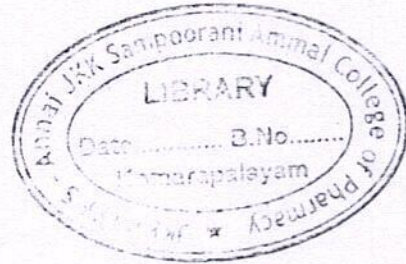
ANAND P

Reg. No: 261520507502

Under the Guidance of

Dr. K. C. ARUL PRAKASAM, M. Pharm., Ph.D.,

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APRIL 2023


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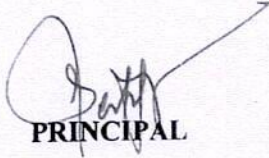
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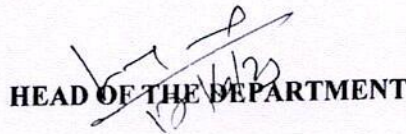


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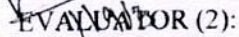
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DATE: 12/10/2022

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Signature of the

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DECLARATION

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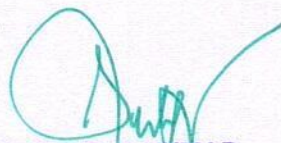
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ABSTRACT

Background:

Utilization pattern was studied as per age gender criterion, demography and medical history, indications of the patients and prescription patterns and monitoring prescribed with anticoagulants and antiplatelets, comparison of anticoagulants and antiplatelets, dosing pattern, pattern of prescription writing using the World Health Organization prescribing indicators, ADRs classification based on Naranjo Causality Scale and WHO causality assessment scale, Hartwig's severity assessment scale, Drug-Drug interactions and the cost of anticoagulant and antiplatelet was studied as per cost utility, cost minimization analysis according pricing under DPCO.

Material and methods used:

Study was prospective observational designed consisting of 231 patients was conducted in CRAFT Hospital, Perinthalthana, Malapuram. Inclusion criteria were all adults and geriatric patients however, adolescence and age groups of children were excluded from the study. Patient consent of enrolled patients was taken and only after that subjects were enrolled in the study.

Results:

The result obtained showed that males occupied a major share 57.14% when compared to that of females 42.86% age wise distribution for utilization pattern showed 43.72% use of the drugs in age group 41-60 years. Indication wise distribution showed majority in stroke (25.5%) followed by MI (16.88%), ACS (13.42%), Angina (10.82%), CVST (5.19%), CAD (3.9%), cardiogenic shock (2.60%) and other CV indications comprising 13.85 %. Majority of patients were monitored for PT/INR. Majority of the patients doesn't experience any ADR or DDI. 87.7% prescriptions were rational and appropriate for the use of the study drugs.

Conclusion:

It was concluded from our study that the anticoagulant and antiplatelet Agents are being utilized in a rational manner. The clinical pharmacist can play an essential role in the monitoring of PT/INR and also in identifying, assessing and reporting of the ADRs.


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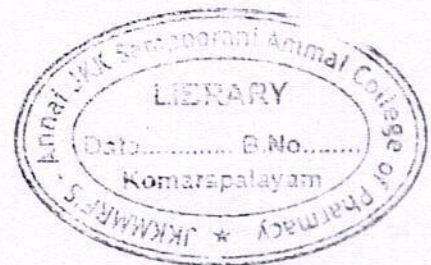
**ROLE OF PHARMACIST IN ASSESSMENT AND EDUCATION
REGARDING KNOWLEDGE, ATTITUDE AND PRACTICE OF
ORGANOPHOSPHOROUS POISONING AMONG FARMERS
OF ATTAPPADI**

**A Dissertation submitted to
THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY
CHENNAI – 600032**

**In partial fulfillment for the award of the degree of
MASTER OF PHARMACY
IN
PHARMACY PRACTICE**

**Submitted by
BHAVANA R
Reg. No: 261520507503**

**Under the Guidance of
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APRIL 2023

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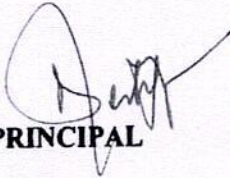
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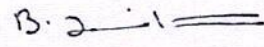
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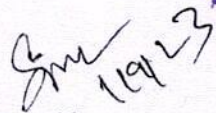
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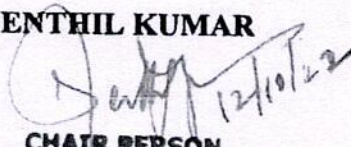
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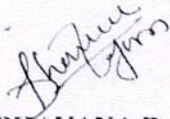
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ABSTRACT

Objectives:

To assess and educate the people for creating awareness in handling of organophosphorus poisoning. The main objective of the present study was to assess the knowledge, attitude and practice of organophosphates and to create an awareness regarding the storage, usage and first aid measures to avoid accidental/occupational poisoning.

Methods:

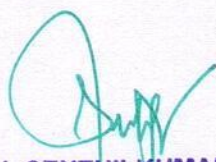
It is an educational intervention study, in which the interviews were conducted among the study subjects, randomly selected agricultural members aged 17 years and above who attended the programme. The self designed questions were administered to the study subjects before and after educational programme and data were collected and analyzed using chi-square test.

Results:

Datas are collected and analyzed under the aspects of knowledge. The results revealed that there was significant improvement in the knowledge scores after the educational intervention. It was also statistically highly significant.

Conclusion:

It is concluded that there is an increase in the need of agrochemical poisoning related information among the agricultural workers in Attappadi. Appropriate educational programmes to increase the knowledge among rural public is of prime importance.



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**"RISK ASSESSMENT, COMPLICATIONS AND TREATMENT OF PATIENTS AFTER
CORONARY ARTERY BYPASS GRAFTING (CABG) SURGERY**

A Dissertation submitted to

**THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY
CHENNAI – 600032**

**In partial fulfillment for the award of the degree of
MASTER OF PHARMACY
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Submitted by

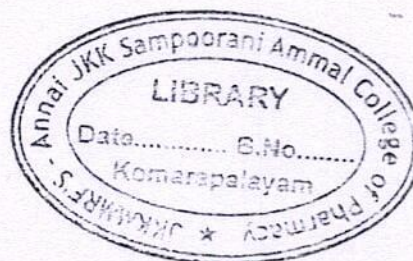
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Reg. No: 261520507505

Under the Guidance of

Mr. A. Srinivasan , M. Pharm,

Associate Professor



DEPARTMENT OF PHARMACY PRACTICE

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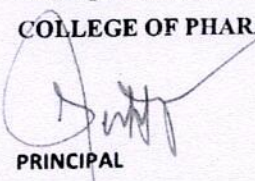
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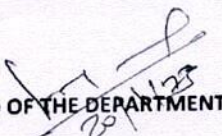


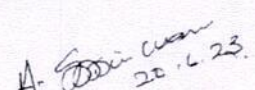
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This is forwarded to the Tamil Nadu Dr. M.G.R Medical University, Chennai, for the partial fulfillment of requirements for the Degree of Master of Pharmacy in Pharmacy Practice at the Department of Pharmacy Practice, JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, Komarapalayam, during the academic year 2022 - 2023.


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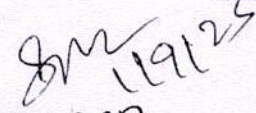
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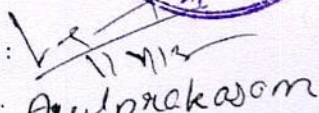
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DECLARATION

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Date 20-6-2023

Place: Komarapalayam



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ABSTRACT

BACKGROUND: CABG is a heart surgery procedure in which block in coronary arteries are bypassed with a blood vessel graft. About 60,000 bypass surgeries is being done annually in India. The purpose of the study was to evaluate the risk factors, complications & treatment of patients after CABG

AIMS & OBJECTIVES: To conduct a study on the risk assessment, complications & treatment of patients after CABG.

METHODOLOGY: It was a retrospective study conducted in Department of Cardiology, AIMS for a period of 1 year. 165 patients were selected for the study. Collection of data was done by using questionnaire.

RESULTS: Out of 165 patients, highest prevalence of CABG was found in 61-70 years older age group. Proportion of males (83.63%) undergoing CABG is higher than female (16.36%). The patients undergoing CABG was mainly due to MI (46.06%), angina (23.6%), other reasons (6.06%). The percentage of patients with normal EF was 81.81%, with low EF was 18.18%. The patients was presented with diabetes (61.21%), cardiac problems (67.27%), hypertension (52.12%), GI discomfort (7.87%), asthma (6.06%), neurological problems (3.03%). The diet pattern after CABG was, 33.93% vegetarians, 1.81% non-vegetarians, 3.63% had both vegetarian & non-vegetarian diet. About 1.81% of patients was found to be alcoholics & 1.21% non-alcoholics. About 39.39% of patients was prescribed with aspirin & clopidogrel, 35.15% with aspirin, 25.45% with clopidogrel alone. About 33.33% patients was single vessel bypassed, 38.18% double vessel bypassed and 28.48% triple vessel bypassed.

CONCLUSION: From the study we conclude that elderly patients are likely to undergo revascularisation as an urgent procedure because it account for the higher risk of adverse cardiovascular events. The study shows that undergoing CABG rather than remaining untreated will reduce the risk of death to a greater extent.

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**ASSESSMENT OF HEALTH RELATED- QUALITY OF LIFE IN DIABETIC
NEUROPATHY PATIENTS – CROSS SECTIONAL STUDY**

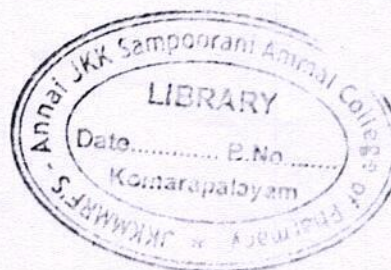
**A Dissertation submitted to
THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY
CHENNAI – 600032**

**In partial fulfillment for the award of the degree of
MASTER OF PHARMACY
IN
PHARMACY PRACTICE**

**Submitted by
G. JANARTHANAN
Reg. No: 261520507507**

**Under the Guidance of
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Associate Professor



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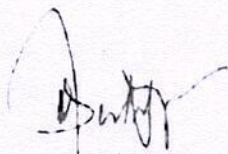
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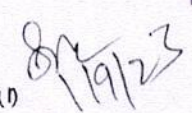

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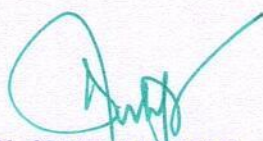
DECLARATION

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ABSTRACT

BACKGROUND:

Diabetic neuropathy (DN) is a chronic complication of diabetes mellitus that affects the peripheral nervous system, leading to sensory, motor, and autonomic dysfunction. The impact of DN on the quality of life (QoL) of affected individuals is substantial, necessitating a comprehensive assessment to better understand the multidimensional aspects of their well-being. This study aims to assess and comparing health related quality of life before and after counselling.

METHODOLOGY:

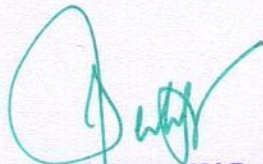
A Cross sectional study was done among 200 Diabetic Neuropathypatients participated in study. The Socio-economic status and HRQoL questionnaire were used to collect the data and the obtained data was analyzed in order to get deep insights.

RESULTS:

Out of 200 patients, highest Prevalence of diabetic neuropathy was found in 51 -60 years older age group. proportion of males (60%) undergoing DN is higher than female (40%). The Overall Quality of life before counselling is (8.5%) and the Overall Quality of life after counselling is (18.5%). The satisfaction of Quality of life before counselling is (6.5%) and the satisfaction of Quality of life after counselling is (13%)

CONCLUSION:

This study reveals that patients with DN have a relatively poor QoL in physical health, psychological, social relationship and environmental domains. They have an overall bad impression about their QoL and a dissatisfaction with their health. However, there is significant change in quality of life after suggestions and counselling.



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ASSESSMENT OF PHYSICAL FUNCTION AND MEDICATION
ADHERENCE IN PATIENTS WITH RHEUMATOID ARTHRITIS

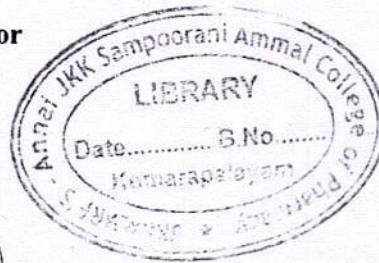
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IN
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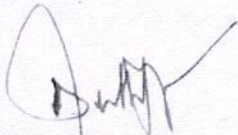
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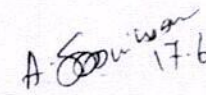
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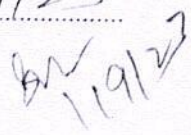
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ABSTRACT

Background

Rheumatoid arthritis, or RA, is an autoimmune and inflammatory disease, which means that your immune system attacks healthy cells in your body by mistake, causing inflammation (painful swelling) in the affected parts of the body. Medication adherence, or taking medications correctly, is generally defined as the extent to which patients take medication as prescribed by their doctors. This involves factors such as getting prescriptions filled, remembering to take medication on time, and understanding the directions.

Aim

The study aims to assess the physical function and medication adherence in patients with Rheumatoid Arthritis.

Materials and Methods

The study was conducted in orthopaedic hospital using Stanford Health Assessment Questionnaire, Medication Adherence Report Scale (MARS).

Result

A total of 173 patients were recruited in the study where majority of the population was female (55.5%). The mean age of all recruited patients was 52, more than half of the patients were between 41 and 60 years. Most participants (nearly 53%) had at least primary school graduation and approximately equal parts were graduated (10%) and never had education (9%). Nearly one third (36.4%) of the patients the duration of the disease was 10-15 years. 13% of patients were suffer from RA above 15 years. 3.46% of all participants declared lower adherence by forgetting to take their medication. Fewer patients intentionally either changed dosage (1.7%). Only a small amount of participants stopped taking their RA medicine for a while (19.58%) or skipped a dose (4.6%). Aong total participants 154 patients were found to be adherent to medication. 19 patients were found out to be non adherent to


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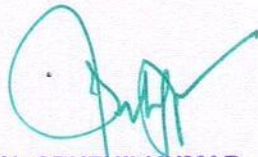
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medications. A chi-square test of independence was performed to examine the relation between medication adherence and Quality of life. Out of 154 adherent patients 128 were reported as having good quality of life.

Conclusion

Increased knowledge of the impact of therapeutic compliance on patients with RA, and the identification of possible predictors of adherence to treatment allows to develop strategies to favor adherence to treatments and avoid problems arising from lack thereof. In any case, prescription needs to be a shared decision process where clinicians and patients can discuss their concerns and expectations, in order to achieve a consensus that will favor adherence to treatment.



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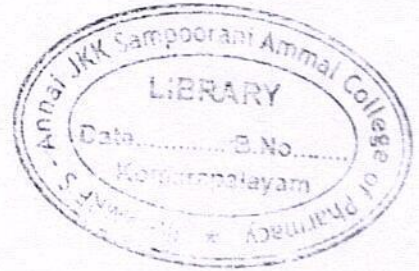
KNOWLEDGE, ATTITUDE AND PRACTICE ON OVER-THE-COUNTER DRUGS AMONG DISPENSERS IN PHARMACY: A CROSS-SECTIONAL STUDY

A Dissertation submitted to
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In partial fulfillment for the award of the degree of
MASTER OF PHARMACY
IN
PHARMACY PRACTICE

Submitted by
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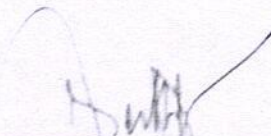
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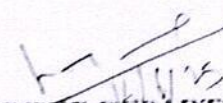


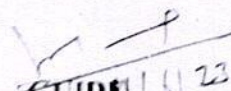
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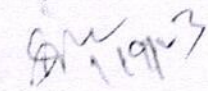
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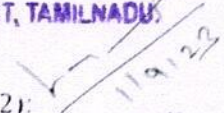

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DECLARATION

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ABSTRACT

BACKGROUND:

Over-the-counter drugs are the ones that are directly sold without the need of being presented from a registered medical practitioner. OTC drugs are listed under different schedules in the Drugs and Cosmetics Act.

AIM AND OBJECTIVE:

This study aimed to evaluate community pharmacy staff knowledge, attitude and practice regarding OTC Drugs.

METHODOLOGY:

It was a Cross Sectional based study conducted for a period from September 2022 to June 2023. Data collection was done through interview and questionnaire.

RESULTS:

Mean knowledge score for B.Pharm and D.Pharm group was 6.02 ± 0.85 and 2.96 ± 0.94 respectively. There was a statistically significant difference in the knowledge score between two groups. Mean score for attitude was 4.14 ± 0.62 and 2.33 ± 0.89 for B.Pharm and D.Pharm group respectively. The difference between two groups was statistically significant. B.Pharm and D.Pharm groups scored 4.6 ± 1.09 and 1.14 ± 0.88 respectively in practice. The difference between two groups was statistically significant.

CONCLUSION:

The study showed that many dispensers were not aware about OTC drugs and its schedule. The study concludes that improving pharmacists KAP about OTC can improve the rational use of non-prescription (OTC) drugs.


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**A STUDY ON POLYPHARMACY AND ITS CLINICAL
OUTCOME AND ECONOMICAL IMPACT AMONG
PEDIATRIC PATIENTS**

**A Dissertation Submitted to
THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY
CHENNAI-600032**

**In partial fulfillment for the award of the degree of
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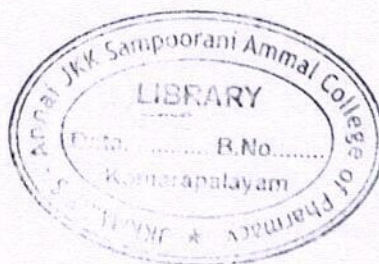
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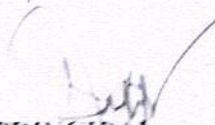
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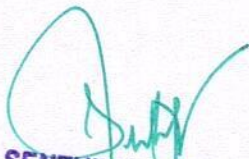
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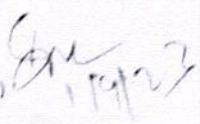

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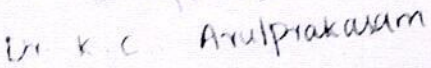

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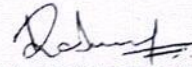
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DECLARATION

I do here by declare that this dissertation work entitled "A STUDY ON POLYPHARMACY AND ITS CLINICAL OUTCOME AND ECONOMICAL IMPACT AMONG PEDIATRIC PATIENTS" submitted to The Tamilnadu Dr.M.G.R Medical University ,Chennai ,in the Partial Fulfillment of requirement for the Degree of **Master of Pharmacy in Pharmacy Practice** ,is a Bonafide and genuine research work carried out by me,, under the guidance of **DR K.C ARUL PRAKASAM**,, M Pharm, Ph.D Professor and Head of pharmacy of Pharmacy Practice, JKKMMRF'S College of Pharmacy, Komarapalayam.

I further declare that this work has not been submitted earlier in part or full for the award of any degree or diploma to this or any other University. The information furnished in this thesis is genuine to the best of our knowledge and belief



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Reg. No: 261520507511

Date: 16/06/2023

Place : Komarapalayam



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Background: Rates of chronic conditions among pediatrics have been steadily increasing and medications used to treat these conditions have also shown a proportional increase. Most clinical trials focus on the safety of solitary medications in adult patients. However, data from these trials are often times extrapolated for use in pediatric patients who have different pharmacokinetic processes and physical profiles. As research increases and more drugs become available for pediatric use, the issue of polypharmacy becomes more of a concern. Polypharmacy is defined as the practice of administering or using multiple medications concurrently for the treatment of one to several medical disorders. With the increased rates of diagnosed complex disease states as prescribed medications in pediatric patients, the prevalence and effect of polypharmacy in this patient population is largely a mystery. Polypharmacy falls within the realm of expertise of specialized pharmacists who can undertake medication therapy management services, medical chart reviews, and other services in pediatrics. Pharmacists have the time and knowledge to undertake pertinent interventions when managing polypharmacy and can play a major positive role in preventing adverse events.

Objective: To study the clinical outcome of polypharmacy among pediatrics in CSI Holdsworth Memorial (Mission) Hospital.

Methodology: A prospective, observational and descriptive study was conducted at CSI Holdsworth memorial hospital for a period of six months. The study was conducted in the in-patients of pediatric Department of the hospital. The study was approved by Institutional Ethics Committee. The data was collected in a well-designed data collection form.

Results: A total of 100 patient's treatment charts reviewed in the study period. The drug therapy reviewed mainly assessing medication to identified medication-related problems, developing prioritized lists of medication-related problems and resolved them. The patients were grouped into different categories based on age of the patients. Among them 22(22%) patients in age group between birth to 1 Month, 35(35%) were in the age group between 1 Month to 2 years, 40(40%) were in the age group between 2 to 5 years, 03(03%) were in the age group between 6 to 12 years, 00(00%) were in the age group between 13 to 18 years.


Dr. N. SENTHILKUMAR,
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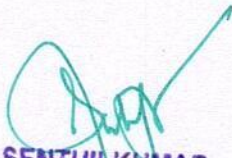
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During the study, a total number of 88 adverse drug reactions were reported among 100 patients and reported

Further comparison is done in table to categorize the drug drug interaction and ADR. Statistical analysis of the two was done and P value was obtained. Dry Mouth (0.115), Nausea and vomiting (0.129), Rash (0.313), and Electrolyte imbalance (0.989), Diarrhoea (0.998), Arrhythmia (1), and Constipation (0.340). The comparison of the is done Figure P value obtained were 0.115, 0.129, 0.313, 0.989, 0.998, 0.693, 1, 0.340 respectively.

Conclusion: Prescribers and pharmacists should be aware of the potential drug interactions in pediatric patients taking multiple medications because of the lack of data on these effects. Ultimately, the goal is to implement the best evidence-based treatment for the patient and resolution of symptoms, and this should guide prescribing patterns. Here we have focused on general polypharmacy in pediatric patients in the hope that pharmacists can find opportunities to improve the care of pediatric patients and document their findings. A better understanding of which chronic illness are of concern, which medications are commonly prescribed in error, and present rates of polypharmacy will help to lay the foundation for interventions that will heighten patient safety.



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"A Prospective observational study on patterns of infections and antimicrobial drug prescribing among pregnant women attending OBG ward in a Tertiary Care Hospital in South India"

Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY,

CHENNAI – 32

In partial fulfilment of the requirements for the award of the degree of

MASTER OF PHARMACY

IN

PHARMACY PRACTICE

Submitted by

SHAHANA K

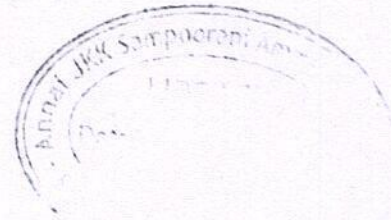
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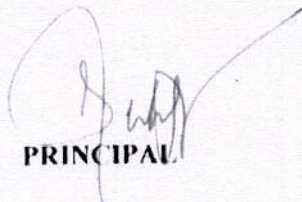
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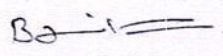
CERTIFICATE

This is to certify that the dissertation work entitled " *A PROSPECTIVE OBSERVATIONAL STUDY ON PATTERNS OF INFECTIONS AND ANTIMICROBIAL DRUG PRESCRIBING AMONG PREGNANT WOMEN ATTENDING OBG WARD IN A TERTIARY CARE HOSPITAL IN SOUTH INDIA* " Mrs. SHAHANA K, Reg. No: 261520507512 under the guidance of **Dr. B. SENTHIL KUMAR, M. Pharm, Ph.D.,** Professor, Department of Pharmacy Practice, JKKMMRF'S-Annai JKK Sampoorani Ammal College of Pharmacy, Komarapalayam in a partial fulfillment of requirement for the Degree of Master of Pharmacy.

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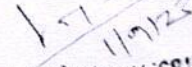
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DECLARATION

I hereby declare that this dissertation entitled "*A Prospective observational study on patterns of infections and antimicrobial drug prescribing among pregnant women attending OBG ward in a Tertiary Care Hospital in South India*" is a bonafide and genuine research work carried out by **SHAHANA K**, Reg. No: 261520507512 under the guidance of **Dr. B. SENTHIL KUMAR**, M. Pharm, Ph.D., Professor, Department of Pharmacy Practice, JKKMMRF'S-Annai JKK Sampoorani Ammal College of Pharmacy, Komarapalayam, in a partial fulfillment of requirement for the Degree of Master of Pharmacy.

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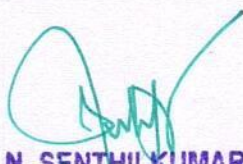


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ABSTRACT

Background: When considering the safety of antibiotics during pregnancy, various factors. The specific type of antibiotic, timing of administration during pregnancy, duration of treatment, dosage, and potential effects on pregnancy must be taken into account. Some antibiotics have been generally considered safe for use during pregnancy, such as certain penicillins (e.g., ampicillin, ampicillin) and cephalosporins (e.g., cefaclor, cephalexin). However, each case should be evaluated individually, and healthcare professionals should be consulted to determine the most appropriate course of action based on the specific circumstances. **Aim and objective:** To study the Patterns of infections and antimicrobial drug prescribing among pregnant women the Dosage form of Antibiotics Utilized During Pregnancy and Delivery. **Methodology:** Prospective observational study. **Result and discussion:** In this study, we have collected 188 cases based on utilisation pattern of antibiotics from 95 pregnant women and 93 Delivery women from OBG department in a tertiary care teaching Hospital. We compared these antibiotics as per age wise distribution, preference of drug utilisation, dosage form, duration and Frequency. Out of 188 subjects, 95 subjects were in the gestational period and 93 subjects had delivery. Among them maximum number i.e. 94 (50%) women were with the age group of 19-24 and the minimum number i.e. 18 (9.57%) were with the age group of 31-36. Out of 95 pregnant women, majority of the conditions encountered, UTIs accounted for 37%, followed by RTIs (24%). Our study shows that 93% of the drugs were from the category B, followed by 5% from D and 2% from category C. **Conclusion:** From this study, we can conclude that perfect usage pattern of antibiotics with doses and frequency can avoid the unnecessary use, reducing the risk of drug resistance, adverse effects and side effects and therefore we can reach Safety, efficacy and Rational use of Antibiotics.

Keywords: UTI, RTI, Pregnancy, Delivery, Antibiotics, Trimester

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STUDY ON AWARENESS ABOUT TUBERCULOSIS AND
TREATMENT ADHERENCE IN TUBERCULOSIS PATIENTS

A Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY

CHENNAI – 600032

In partial fulfillment for the award of the degree of

MASTER OF PHARMACY

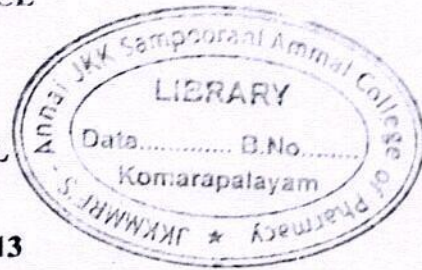
IN

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Submitted by

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Under the Guidance of

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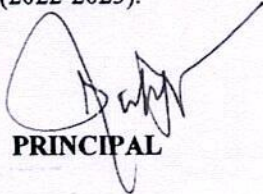
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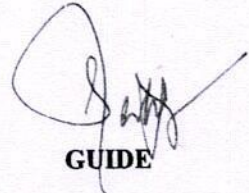
CERTIFICATE

This is to certify that the dissertation work entitled "STUDY ON AWARENESS ABOUT TUBERCULOSIS AND TREATMENT ADHERENCE IN TUBERCULOSIS PATIENTS" is the bonafide work carried out by, I.SURESH MANUEL (Reg. No: 261520507513) under the guidance and supervision of Dr. N. SENTHIL KUMAR, M.Pharm., Ph.D., Principal, JKKMMRF'S – Annai JKK Sampoarani Ammal College of Pharmacy, Komarapalayam.

This is forwarded to the TamilNadu Dr.M.G.R Medical University, Chennai, for the partial fulfillment of requirements for the Degree of Master of Pharmacy (2022-2023).


 PRINCIPAL

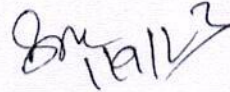

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DECLARATION

I do hereby declare that the dissertation work entitled "STUDY ON AWARENESS ABOUT TUBERCULOSIS AND TREATMENT ADHERENCE IN TUBERCULOSIS PATIENTS" submitted to The Tamil Nadu Dr. M.G.R. Medical University, Chennai, in partial fulfillment of requirement for the Degree of **Master of Pharmacy in Pharmacy Practice**, is a bonafide and genuine research work carried out by me, under the guidance of **Dr. N. SENTHIL KUMAR, M.Pharm., Ph.D., Principal, JKKMMRF'S – Annai JKKSampoorani Ammal College of Pharmacy, Komarapalayam .**

I further declare that this work has not been submitted earlier in part or full for the award of any degree or diploma to this or any other University. The information furnished in this thesis is genuine to the best of our knowledge and belief.



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ABSTRACT

INTRODUCTION

Tuberculosis (TB) is one of the most spread lung infections due to the bacteria *Mycobacterium Tuberculosis*. Low treatment adherence has been reported in the Indian population concerning TB awareness, cause, diagnosis, and treatment

AIM AND OBJECTIVE

The current study aims to identify the gaps in treatment adherence of patients undergoing TB treatment with factors responsible for non-adherence

METHODOLOGY

The prospective study was conducted on 50 patients diagnosed with TB and who underwent pharmacological treatment for TB. Patients were included after ethical approval from the ethics committee, and informed consent was obtained. Demographic details and reasons for non-adherence were collected from the patients. Data from the questionnaire were included in MS Excel, and SPSS 11.5 was used for analysis.

RESULTS

Most participants in the study were between the age group of 31-40 years (28.0%). The male predominance of 68.0% was found in the current study. 81% of the participants were literate and had a basic education level. The awareness regarding the mode of spread and cause of TB was recorded at 62% and 56%, respectively. 64% of patients were aware of the preventability of the disease. The majority of the patients were aware of the fact that TB is treatable.

CONCLUSION

This study found the importance of Tb treatment and financial assistance to help with associated costs, as most participants were unemployed. TB awareness programs should be conducted to spread awareness, and further research is needed to determine the factors affecting treatment duration.

KEYWORDS: Tuberculosis, adherence, awareness, treatment.




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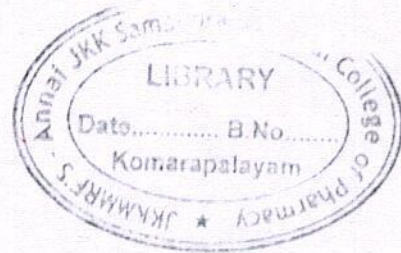
**ANNEXMENT III IMPACT OF OBESITY ON MEDICAL PROBLEMS AND
HEALTH RELATED QUALITY OF LIFE IN ADULTS: A CROSS-
SECTIONAL STUDY**

**A Dissertation submitted to
THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY
CHENNAI - 600032**

**In partial fulfillment for the award of the degree of
MASTER OF PHARMACY
IN
PHARMACY PRACTICE**

**Submitted by
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Reg. No: 261520507514**

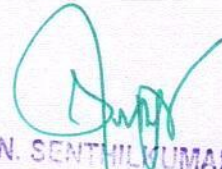
**Under the Guidance of
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Professor and Head of the Department**



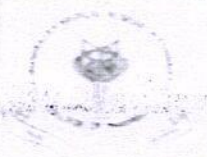
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CERTIFICATE

This is to certify that the dissertation work entitled "ASSESSMENT OF IMPACT OF OBESITY ON MEDICAL PROBLEMS AND HEALTH RELATED-QUALITY OF LIFE IN ADULTS: A CROSS-SECTIONAL STUDY" is a bonafide work carried out by **Mr. V.M.SWAMINATHEN, B.Pharm..** [Reg. No: 261520507514] under the guidance and supervision of **Dr. K. C. ARUL PRAKASAM, M. Pharm., Ph.D.,** Professor and Head in the Department of Pharmacy Practice.

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DECLARATION

I do hereby declare that the dissertation work entitled "ANALYSIS OF IMPACT OF OBESITY ON MEDICAL PROBLEMS AND HEALTH RELATED-QUALITY OF LIFE IN ADULTS: A CROSS-SECTIONAL STUDY" submitted to The Tamil Nadu Dr. M.G.R. Medical University, Chennai, in partial fulfillment of requirement for the Degree of Master of Pharmacy in Pharmacy Practice, is a bonafide and genuine research work carried out by me, under the guidance of Dr. K. C. ARUL PRAKASAM, M. Pharm., Ph.D., Professor and Head in the Department of Pharmacy Practice, JKKMMRF's - Annai JKK Sampoorani Ammal College of Pharmacy, Komarapalayam.

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V.M. Swaminathan

V.M.SWAMINATHEN

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Place: Komarapalayam.

Dr. N. Senthil Kumar

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ABSTRACT

BACKGROUND

The purpose of the study was to assess and comparing health related quality of life. To determine the Impact of Obesity on medical problems and health related quality of life (HRQOL) in adults by using cross sectional study.

AIM AND OBJECTIVE

To conduct a study on the Health Related Quality of Life with the selected demographic variables among the obese adults in selected rural areas.

METHODOLOGY

It was a descriptive cross sectional study, It was conducted for a period of Nine months we surveyed 284 patients with the complete self-administered questionnaire (SF-36) at enrollment and had complete data on height and weight.

RESULTS

Patients who were overweight (BMI 25.0–29.9 kg/m²), patients with class I obesity (BMI 30.0–34.9 kg/m²), and patients with class II obesity (BMI \geq 35 kg/m²). In overweight group of participants, only 1% of participants were reported good HQOL, 4% of participants were reported poorer HQOL. In class I obese, 14% of participants were reported good HQOL, 45% of participants were reported poorer HQOL. In class II obese, 2% of participants were reported good HQOL, 34% of participants were reported poorer HQOL. P value $<.05$ shows quality of life significantly associated with obesity.

CONCLUSIONS

This result indicates that overweight or obese people are at increased risk of developing a medical problem such as hypertension, type II diabetes, pulmonary function impairment, fatty liver disease, or osteoarthritis. In addition, severely obese patients are prone to have poorer physical functioning, especially regarding daily physical activities.

Keywords: Obesity, Quality of life, Health surveys


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