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Comparative clinical evaluation of analgesics on kerala zone

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ABSTRACT

The WHO in 1977 has characterized drug usage as advertising conveyance solution and utilization of medications general public with unique accentuation subsequent clinical social and monetary results. Aim of the study is to evaluate drug utilization / prescription pattern of Analgesics prescribed in Post operative patients in a tertiary care hospital. In our sample size 802 patients was determined. Hence total number of 1504 patients was enrolled in the study out of which 802 patients who met the inclusion and exclusion criteria were finally included in the study at discharge and at 3 6 and 9 months follow-up period after discharge from the hospital. Results expressed that The solution investigation aftereffects of absolute number of related illnesses in Kerala zone demonstrated that 802 Numbers and 53.5% which incorporates assortment of sicknesses like Hypertension Hyperlipidemic Infections Thyroid illnesses Inflammation Myocardial Infraction Congestive Heart Failure Angina Pectoris Asthma Ulcer IBS Depression Tachyarrhythmias Bradyarrhythmias and Psychosis. Post-employable related Patients commonness dramatically more (493 Numbers and 61.5%) when contrasted with Pre usable Patients (POP) related Patients (309 Numbers and 38.5%). Interior POP dependent on the relative assertion showed Pain related Myocardial Infarction (56 Numbers and 7 %) patients.

Keywords: sedate, infection, un wanted effects, questionnaire, patients and demographical

INTRODUCTION

Pain is the most common complaint of the human beings. Dental pain specifically third molar extraction is said to be one of the most acute postsurgical painful conditions.[1] Extractions of the third molars account for a large volume of cases in contemporary oral surgical practice and require much planning and surgical skill during both preoperative diagnosis and postoperative management.[2] The pain experienced following the third molar surgery under local anesthesia has been shown to be of short duration and reaches its maximum intensity in the early postoperative period and in the most cases, patients require some form of analgesic to deal with it.[3] Treating the patient before the development of significant pain is a more humane, enlightened approach to patient care and is consistent with the current trends toward more aggressive, preventive, and systematic approaches to pain management. Moreover, it has become recognized that longer the pain remains

uncontrolled, more sensitive patient may become to the painful stimuli.[4] It is generally accepted that pain following the third molar surgery reaches

MATERIALS AND METHODS

Research work was supported by Institutional Human Ethics Committee and furthermore allocated endorsement number.. Writing review in view of chosen Cohort study was applied to gauge the different boundaries of analgesics consuming patients on different zone of Kerala which incorporates south east west and north zones. The information assortment connected with patients for this exploration work was predominantly acted in significant five divisions of the emergency clinic, for example, general medication pulmonology medical procedure pediatrics and escalated care units where the act of anti-infection solution and organization was viewed as huge in these areas. Thousand 500 contaminated patients were gathered from A 350 had

relations with tertiary consideration emergency clinic PVS Hospital (P) LTD Calicut which incorporate visited patients and out patients An information assortment structure planned specifically was utilized to record and gather the information of every patient signed up for the work precisely

1. Analgesic consuming patient over 18 years and under 60 years.
2. Tainted Patient With Infected With Other Co-Morbidities.
- 3 Analgesic consuming Patient Admitted In Hospital Or Regularly Visited.
- 5 Analgesic consuming patient had the option to peruse and compose the assent structure.
5. Ceaselessly Taken Infected Drug.
6. Days' end counted contaminated patients.
7. Non pregananted womans
8. Patients of all age bunches aside from youngsters
9. Postoperative Surgical Site Analgesic consuming (SSIs)
10. Giving informed agree to partake
11. Rejected: Infected patient under 18 years or more 60 years. Analgesic consuming without doctor consent or without medicine. Misleading information of other class wellbeing sciences people groups given data's Analgesic consuming patients are obviousness. In view of the above rules patients advising were directed in medical clinics. Pregaranted lady's Neonates.

Standard rules poll was prepared and get endorsement from specialty specialists towards patient information and Pharmaceutical consideration issues. The surveys are containing segment information associated diseases with Analgesic consuming patients.

RESULTS AND DISCUSSION

The solution investigation aftereffects of absolute number of related illnesses in Kerala zone demonstrated that 802 Numbers and 53.5% which incorporates assortment of sicknesses like Hypertension Hyperlipidemic Infections Thyroid illnesses Inflammation Myocardial Infraction Congestive Heart Failure Angina Pectoris Asthma Ulcer IBS Depression Tachyarrhythmias Bradyarrhythmias and Psychosis. Post-employable related Patients commonness dramatically more (493 Numbers and 61.5%) when contrasted with Pre usable Patients (POP) related Patients (309 Numbers and 38.5%). Interior POP dependent on the relative assertion showed Pain related Myocardial Infarction (56 Numbers and 7 %) patients pervasiveness were dramatically more when contrasted with other Pain partners sicknesses like Hypertension (22 Numbers and 2.8%) Hyperlipidemic (42 Numbers and 5.2 %) Infection(52 Numbers &6.2%) Thyroid illnesses (54 Numbers and 6.7%) Inflammation (33 Numbers and 4.1 %) Congestive Heart Failure (45 Numbers and 5.6 %) Tachyarrhythmias (34 Numbers and 4.2 %) Bradyarrhythmias (39 Numbers and 4.9 %) Angina Pectoris (28 Numbers and 3.5 %) Asthuma (34 Numbers and 4.2 %) Ulcer (32 Numbers and 4 %) IBS (21 Numbers and 2.7%) and Depression (1 Numbers and 0.1%) . The POP aggravation corresponding explanation demonstrated torment related Hyperlipidemic (38 Numbers and 4.8 %) patients pervasiveness were more when contrasted with other torment related sicknesses like

Hypertension (32 Numbers and 4 %) Infection (27 Numbers 3.4%)Thyroid illnesses (32 Numbers and 4%) Myocardial Infarction (17 Numbers and 2.1 %) Inflammation (27 Numbers and 3.4 %) Congestive Heart Failure (14 Numbers and 1.7 %) Tachyarrhythmias (21Numbers and 2.6 %) Bradyarrhythmias (27 Numbers and 3.9 %) Angina Pectoris (30 Numbers and 3.7 %) Asthuma (15 Numbers &1.9 %) Ulcer (17 Numbers and 2.1 %) IBS (10 Numbers and 1.2 %) and Psychosis (1 Numbers and 0.1%) have addressed in Tab.No:1

The medications recommended poly treatment for POP agony investigation consequences of absolute number of related illnesses in kerala zone (Tab.No:2) uncovered that 741 Numbers and 49.4 % which incorporates assortment of sicknesses like Inflammation MI CHF TA BA Angina Pectoris Asthma Ulcer IBS and Depression. Poly treatment similar explanation showed torment related Hypertension patients drugs recommended way as depicted two drugs(6 Numbers and 0.4 %) were tracked down additional in the remedies when contrasted with three (5 Numbers and 0.3 %) four (3 Numbers and 0.2 %) five (4 Numbers and 0.3 %) and six (4 Numbers and 0.2 %). torment related Hyperlipidemic patients drugs endorsed way as communicated six (5 Numbers and 0.3 %) were build up exceptionally less in the remedies when contrasted with four (8 Numbers and 0.5 %) five (7 Numbers and 0.5 %) three (12 Numbers and 0.8 %) and two drugs(10 Numbers and 0.7 %). torment related analgesic consuming patients drugs endorsed design has communicated two medications (15 Numbers and 1 %) were tracked down additional in the remedies when contrasted with three (13 Numbers and 0.9 %) six (12 Numbers and 0.8 %) and four (10 Numbers and 0.7 %) five (2 Numbers and 0.1 %) and furthermore torment related thyroid sicknesses patients drugs recommended examination for four (18 Numbers and 1.2 %) were tracked down additional in the solutions when contrasted with three (16 Numbers and 1.1 %) five (6 Numbers and 0.4 %) six (5 Numbers and 0.3 %) and two medications (9 Numbers and 0.6 %). The consequences of agony related irritation patients drugs endorsed approach as portrayed five (9 Numbers and 0.6 %) were tracked down additional in the solutions when contrasted with three (7 Numbers and 0.5 %) four (4 Numbers and 0.3 %) two medications (5 Numbers and 0.3 %) and six (8 Numbers and 0.5 %) and furthermore PAIN related Myocardial Infarction patients drugs recommended way as discribed two medications (6 Numbers and 0.4 %) were found less in the remedies when contrasted with three (10 Numbers and 0.7 %) four (15 Numbers and 1 %) five(11 Numbers and 0.7 %) and six (14 Numbers and 0.9 %). Torment related Congestive Heart Failure patients drugs recommend design has portrayed as four (12 Numbers and 0.8 %) when contrasted with three (7 Numbers and 0.5 %) two (8 Numbers and 0.5 %) five(6 Numbers and 0.4 %) and six (12 Numbers and 0.8 %). Examined PAIN related Tachyarrhythmias patients drugs remedies have portrayed two medications (7 Numbers and 0.5 %) were set up additional in the solutions when contrasted with three (6 Numbers and 0.4 %) four (9 Numbers and 0.6 %) five(8 Numbers and 0.5 %) and six (4 Numbers and 0.3 %) and furthermore torment related Bradyarrhythmias patients drugs recommended way depicted two medications (8 Numbers and 0.5 %) were tracked down additional in the remedies

when contrasted with three (4 Numbers and 0.3 %) four (9 Numbers and 0.6 %) five (12 Numbers and 0.8 %) and six (6 Numbers and 0.4 %). The consequences of agony related Angina Pectoris patients drugs recommended way as marked three (7 Numbers and 0.5 %) were tracked down additional in the solutions when contrasted with two drugs(3 Numbers and 0.2 %) four (4 Numbers and 0.3 %) five (9 Numbers and 0.6 %) six (5 Numbers and 0.3 %) and furthermore torment related Asthuma patients drugs endorsed way as assigned two drugs(5 Numbers and 0.3 %) were seen as exceptionally less in the remedies when contrasted with three (6 Numbers and 0.4 %) four (10 Numbers and 0.7 %) five (4 Numbers and 0.3 %) and six (9 Numbers and 0.6 %). Dissected torment related Ulcer patients drugs recommended way as depicted four (12 Numbers and 0.8 %) were tracked down additional in the remedies when contrasted with three (4 Numbers and 0.3 %) two medications (8 Numbers and 0.5 %) five (5 Numbers and 0.3 %) and six (3 Numbers and 0.2 %). The consequences of agony related IBS patients drugs recommended way as described to three (7 Numbers and 0.5 %) were tracked down additional in the remedies when analyzed two medications (3 Numbers and 0.2 %) four (5 Numbers and 0.3 %) five (2 Numbers and 0.1 %) and six (4 Numbers and 0.3 %). The communicated aftereffects of POP torment related Depression patients drugs recommend three medications (1 Numbers and 0.1 %) however other number and % of medications not prescribed. The aftereffects of single (POP) patients drugs recommended way as described two medications (60 Numbers and 4 %) were tracked down additional in the remedies when contrasted with three (56 Numbers and 3.7 %) four (45 Numbers and 3 %) five (53 Numbers and 3.5 %) and six (54 Numbers and 3.6 %). poly treatment of recommended drugs for pre employable torment and related infections. The medications recommended poly treatment for pre medical procedure Pain related infections in Kerala zone specialists endorsed 414 Numbers and 27.6 % which incorporates assortment of above determined illnesses Poly treatment near proclamation showed torment related Hypertension patients drugs endorsed way as depicted two drugs(16 Numbers and 1.1 %) were create more in the remedies when contrasted with three (10 Numbers and 0.7 %) four (6 Numbers and 0.4 %) five(0) and six (0) and furthermore PAIN related Hyperlipidemic patients drugs recommended way as portrayed six (0) being not endorsed in the solution when contrasted with four (8 Numbers and 0.5 %) five (9 Numbers and 0.5 %) three (17 Numbers and 1.1 %) and two medications (4 Numbers and 0.3 %). Torment related analgesic consuming patients drugs recommended way as depicted two medications (18 Numbers and 1.2 %) were start more in the remedy when contrasted with three (6 Numbers and 0.4 %) four (4 Numbers and 0.3 %) five (0) and six (0). torment related thyroid sicknesses patients drugs endorsed way as portrayed three (16 Numbers and 1.1 %)

were tracked down additional in the solutions when contrasted with two medications (2 Numbers and 0.1 %) four (14 Numbers and 0.9 %) five(0) and six (0). torment related irritation patients drugs recommended way as depicted two medications (5 Numbers and 0.3 %) and five (5 Numbers and 0.3 %) were found less in the remedy when contrasted with three (7 Numbers and 0.5 %) four (10 Numbers and 0.7 %) and six (0 Numbers and 0 %). Torment related Myocardial Infarction patients drugs endorsed way as depicted six (14 Numbers and 0.9 %)were tracked down additional in the remedies when contrasted with three (0) four (1 Numbers and 0.1 %) five (2 Numbers and 0.1 %) and two drugs(0).Torment related Congestive Heart Failure patients solutions portrayed as two (2 Numbers and 0.1%) remedies when contrasted with three (7 Numbers and 0.5 %) four (5 Numbers and 0.8 %) five(0) and six (0). Torment related Tachyarrhythmias patients drugs recommended way as depicted two medications (1 Numbers and 0.1 %) were altogether exceptionally less in the remedies when contrasted with three (6 Numbers and 0.4 %) four (9 Numbers and 0.6 %) five (9 Numbers and 0.6 %) and six (2 Numbers and 0.1 %). torment related Bradyarrhythmias patients drugs recommended way as depicted five (10 Numbers and 0.7 %) were seen as significantly more in the remedies when contrasted with three (2 Numbers and 0.1 %) four (7 Numbers and 0.5 %) two medications (4 Numbers and 0.3 %) and six (2 Numbers and 0.4 %). Torment related Angina Pectoris patients drugs endorsed way as depicted three (7 Numbers and 0.5) were tracked down additional in the remedies when contrasted with four (4 Numbers and 0.3 %) two medications (5 Numbers and 0.3 %) five (9 Numbers and 0.6 %) and six (5 Numbers and 0.3 %). Torment related Asthuma patients drugs recommended way as portrayed four (9 Numbers and 0.6 %) were tracked down additional in the solutions when contrasted with three (6 Numbers and 0.4 %) two medications (0) five (0) and six (0). torment related Ulcer patients drugs endorsed way as depicted two drugs(1 Numbers and 0.2 %) were set up altogether extremely less in the solutions when contrasted with three (3 Numbers and 0.2 %) four (12 Numbers and 0.8 %) five (1 Numbers and 0.1 %) and six (3 Numbers and 0.2 %). Torment related IBS patients drugs endorsed way as portrayed (7 Numbers and 0.5 %) were tracked down additional in the solutions when contrasted with three four (2 Numbers and 0.2 %) five (1 Numbers and 0.1%) two drugs(0) and six (0). Torment related Psychosis patients drugs recommended way as depicted three (1 Numbers and 0.1 %) were tracked down additional in the solutions when contrasted with four (0) five(0) two medications (0) and six (0). Single (Only Type-I) recommended way as portrayed three (37 Numbers and 2.5 %) were tracked down additional in the solutions when contrasted with four (13 Numbers and 0.9 %) two medications (35 Numbers and 2.3 %) five (12 Numbers and 0.8 %) and six (8 Numbers and 0.6 %).

Table 1: Prescription pattern analysis for various associated diseases

S.No	Handled Prescription for Pain with associated diseases	NP		POP	
		Nos	%	Nos	%
1	Hypertension	21	2.7	33	4.4
2	Hyperlipidemic	42	5.2	38	4.8

3	Infections	52	6.5	28	3.5
4	Thyroid diseases	54	6.7	32	4
5	Inflammation	33	4.1	27	3.4
6	MyocardialInfraction	56	7	17	2.1
7	Congestive Heart Failure	45	5.6	14	1.7
8	Tachyarrhythmias	34	4.2	21	2.6
9.	Bradyarrhythmias	39	4.9	27	3.4
10	Angina Pectoris	28	3.5	30	3.7
11	Asthuma	34	4.2	15	1.9
12	Ulcer	32	4	17	2.1
13	IBS	21	2.7	10	1.2
14	Depression	1	0.1	---	---
15	Psychosis	---	---	1	0.1
Total		493	61.5	309	38.5
Total No. of Prescription		802			
% of Prescriptions Handled		53.5			

Table 2: Analysis of prescribed drugs pattern

S.No	Prescription Pattern	Number of Prescriptions handled	% of Prescriptions
1	Total	1500	100
2	Mono Therapy	345	23
3	Poly Therapy	1155	77

Table 3: Analysis poly therapy of prescribed drugs for POP and associated diseases

DM with associated diseases	PEOP different drugs :Numbers					POP Prescription of different drugs: % of drugs				
	2	3	4	5	6	2	3	4	5	6
Hypertension	6	5	3	4	4	0.4	0.3	0.2	0.3	0.3
Hyperlipidemic	10	12	8	7	5	0.7	0.8	0.5	0.5	0.3
Infections	15	13	10	2	12	1	0.9	0.7	0.1	0.8
Thyroid diseases	9	16	18	6	5	0.6	1.1	1.2	0.4	0.3
Inflammation	5	7	4	9	8	0.3	0.5	0.3	0.6	0.5
MyocardialInfraction	6	10	15	11	14	0.4	0.7	1	0.7	0.9
Congestive Heart Failure	8	7	12	6	12	0.5	0.5	0.8	0.4	0.8
Tachyarrhythmias	7	6	9	8	4	0.5	0.4	0.6	0.5	0.3
Bradyarrhythmias	8	4	9	12	6	0.5	0.3	0.6	0.8	0.4
Angina Pectoris	3	7	4	9	5	0.2	0.5	0.3	0.6	0.3
Asthma	5	6	10	4	9	0.3	0.4	0.7	0.3	0.6
Ulcer	8	4	12	5	3	0.5	0.3	0.8	0.3	0.2
IBS	3	7	5	2	4	0.2	0.5	0.3	0.1	0.3
Depression	-	1	-	-	-	-	0.1	-	-	-
Single	60	56	45	53	54	4	3.7	3	3.5	3.6
Total	153	161	164	118	145	10.1	11	11	9.1	9.6
	741					49.4				

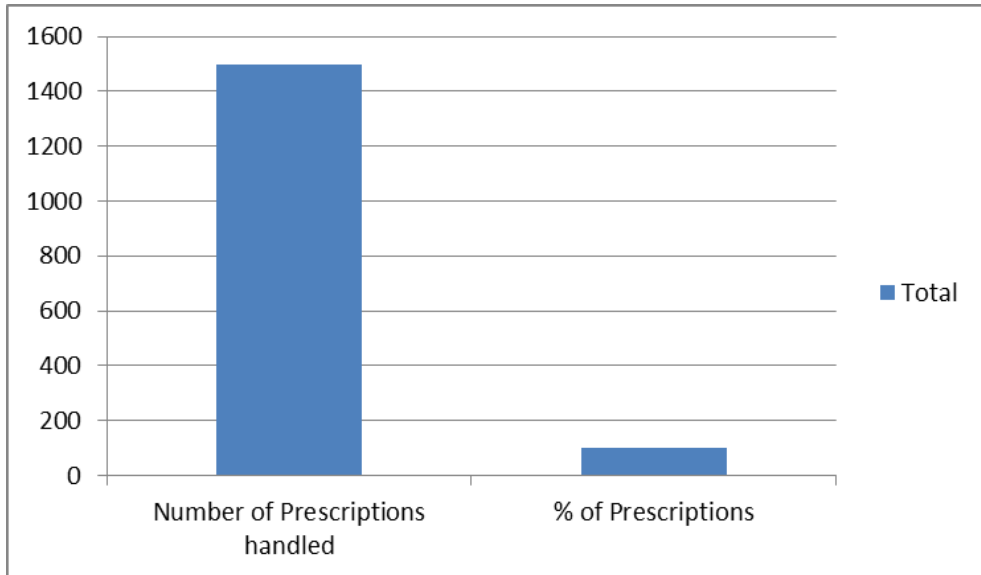


Fig 1: Prescription pattern analysis (Numbers & %)

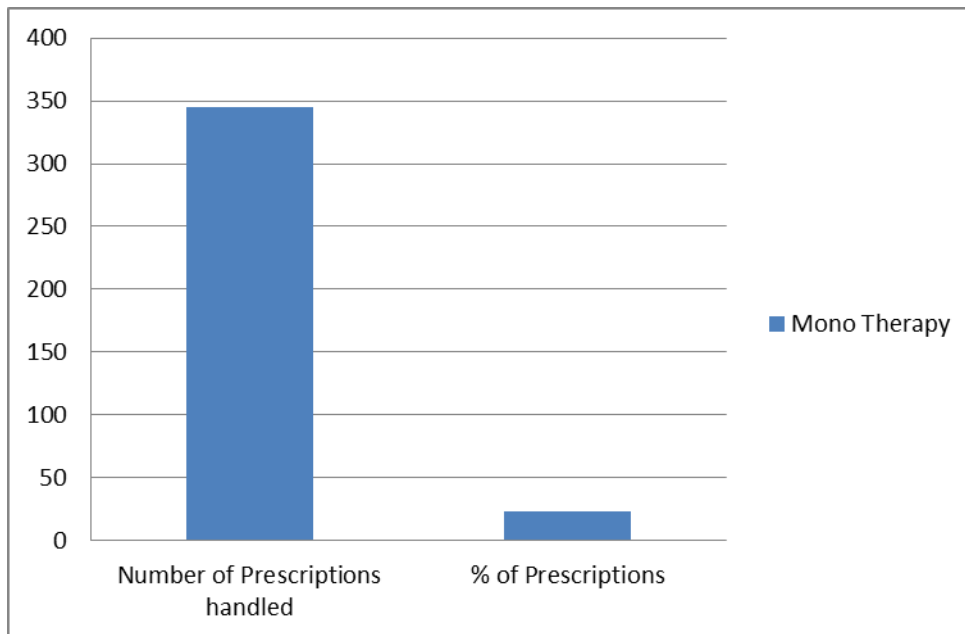


Fig 2: Prescription pattern analysis of mono therapy

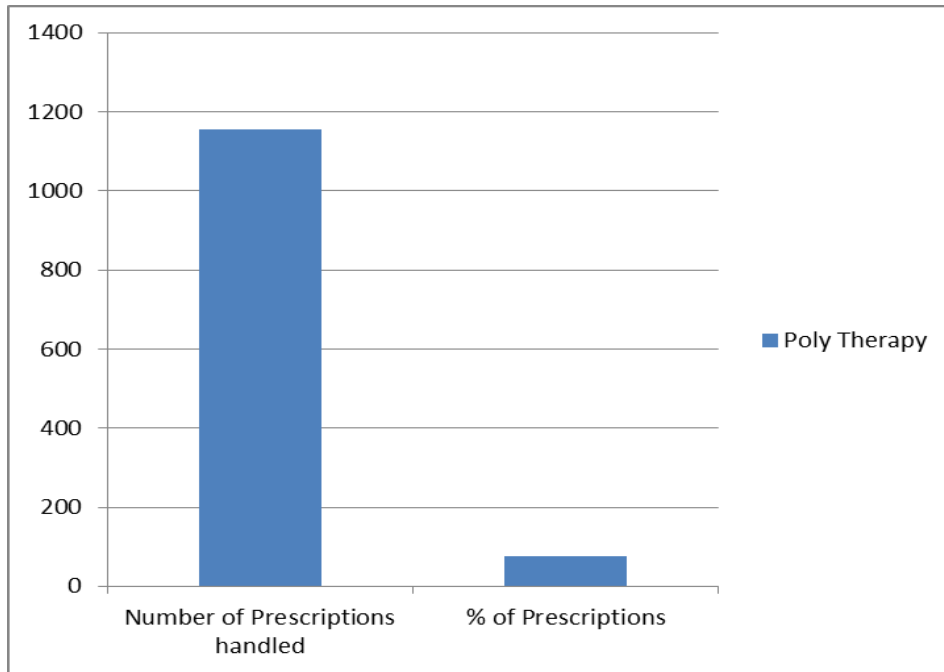


Fig 3: Prescription pattern analysis of poly therapy

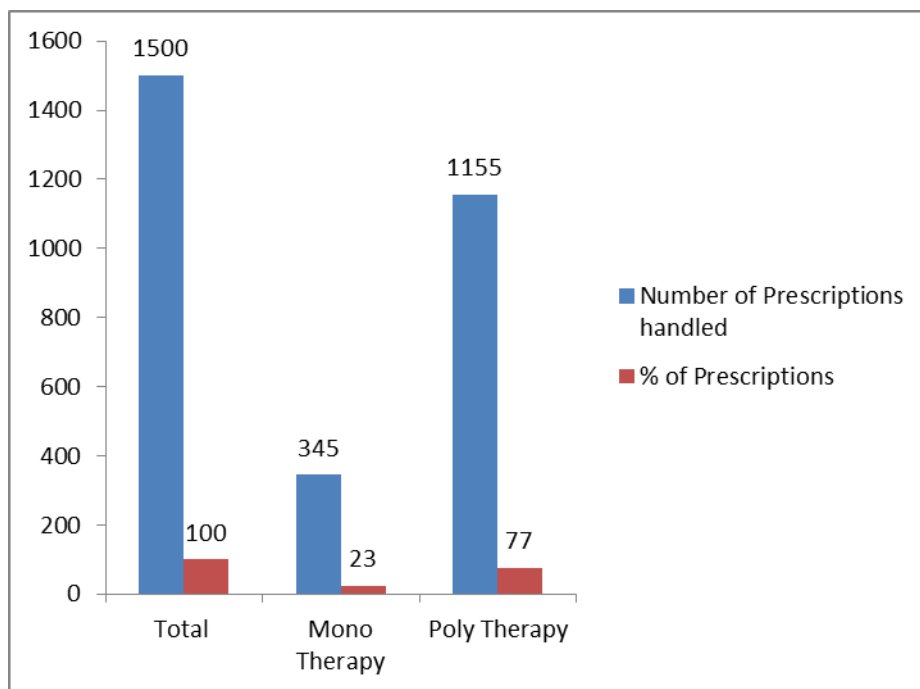


Fig 4: Prescription pattern analysis of total numbers Vs poly therapy and mono therapy

CONCLUSION

Analgesics self-medicine is a worldwide general medical issue and improves the improvement of torment for medical procedure patients. The high pervasiveness of analgesics self-prescription among related diseases contrasted with all inclusive community involves extraordinary concern. They will be this future medication prescribers and medical care

instructors. They should be focused on over and over again during their schooling and be shown the benefit of utilizing analgesics with alert. Local area drug specialists could assume a urgent part in controlling the nonsensical analgesics use by overall public. Public mindfulness and severe implementation of regulation to control the offer of analgesics without a substantial remedy are expected to limit analgesics self-drug and related gambles.

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