

Analysis of Past Medical History of Patients Attended the Mega Medical Camp: A Retrospective Study

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ABSTRACT: Medical camps are conducted by Health care professionals associated with Governmental or Non-Governmental organizations, to provide limited and better health interventions among the impoverished community^[1]. A free medical camp should be considered as a life-conserving program that sight to provide free medical services to substandard communities living in rural or suburban community with a particular medical specialized service see on^[2].

Keywords: Past medical history, better health intervention, medical camp,

I. INTRODUCTION:

Free medical camps are intended to have main plan adopted by governmental or non-governmental organization in many parts of our country^[3]. The Main objectives of medical camps are, mainly to provide high quality and cost-free treatment at camp site, to enlighten about the health and awareness about the disease among the ones who attended the camp and also refer them to the suitable higher centers among those who required further management according to their condition^[4]. Medical camps are generally and more often diverse activities related to health care are providing cost free treatment and prescribing and dispensing medications for common ailments at camp site itself, blood donation camp, free ENT checkup, awareness about diabetes and its management.

Free health camps or medical camps in rural areas are conducted by non-governmental organizations generally a single day program and its treatment can be based on vitals recorded on camp site and general symptoms and physical and clinical examinations with less facilities of other investigations. Prevalence of disease in an area can be affected by many factors such as social and economical status, life style effect, awareness among people and health care facilities^[5].

II. MATERIALS AND METHODS:

Study population:

It is a retrospective study of past medical history of patients attended for one day free medical camp conducted by an NGO. The data and consent of the patients to use in publication were collected and provided by the TULASI MULTI SPECIALITY HOSPITAL. The previous medical history was recorded and medications are prescribed based on both past and present complaints of the patient.

SELECTION AND DESCRIPTION OF PARTICIPANTS:

The patients attended in medical camp conducted at Bommala center, Yetukuru road, Nallacheruvu, Guntur on 31 October 2021. The patients above 10 years of age (approximately 10 to 86 years) were included in this study. The total number of patients participated for medical camp for that day were recorded and tabulated. Their past medical history and their vitals and their present clinical symptoms of disease were recorded. Their past medical history used for assessment of percentage of preexisting diseases.

ETHICS:

The authors have participated themselves in this free medical camp and collected data related to this study. Ethical clearance is not required for this study.

STATISTICS:

Data were analyzed by using Microsoft Excel Professional Plus 2016. In statistical analysis, percentage and average were recorded.

III. RESULTS & DISCUSSION:

Results:

The results for free medical camp include tabulation of total number of patients who attended on that one-day camp. They represented in different blocks and their male female ratio is also represented. In another table past medical history of

patients, percentage and their male, female ration was recorded and represented. In that past medical history of patients, clearly represented the single

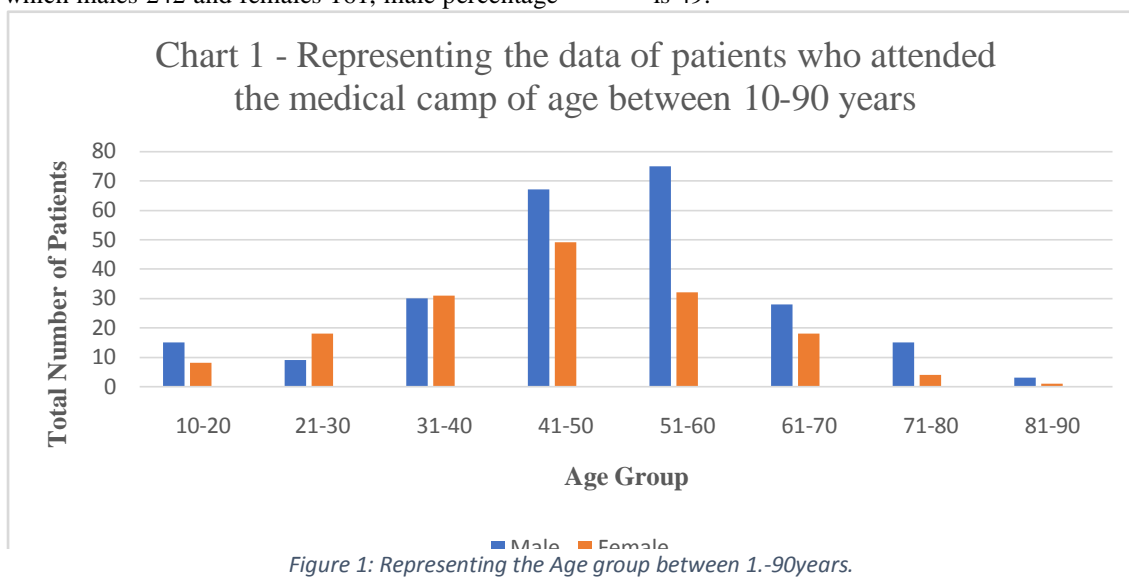
ailment and combination of ailments in a separate tabulated format.

Age in Years	Male	Female	Total	Male %	Female%
10-20	15	8	23	65.22%	34.78%
21-30	9	18	27	33.33%	66.67%
31-40	30	31	61	49.18%	50.82%
41-50	67	49	116	57.76%	42.24%
51-60	75	32	107	70.09%	29.91%
61-70	28	18	46	60.87%	39.13%
71-80	15	4	19	78.95%	21.05%
81-90	3	1	4	75%	25%
Total	242	161	403	61.30%	38.70%

Table 1: Representing the Data of patients [Age group 10-90 years] attended.

Above table shows the number of patients attended the camp. Table 1 indicating the total number of patients including the percentage, in which males 242 and females 161, male percentage

61.30% and female percentage 38.70%. The maximum number of age group of patients is males between 51 – 60 is 75 and females between 41-50 is 49.



Name of Ailment	Male	Female	Male %	Female %
Hypertension	25	15	10.33%	9.31%
Diabetes Mellitus	36	14	14.88%	8.69%
DM + HTN	39	34	16.11%	21.11%
Gastric Problem	21	12	8.68	7.45%
Pains	56	30	23.14%	18.63%
Headache	9	5	3.71%	0.31%
Dermatological	4	3	1.65%	1.86%
Thyroid	3	6	1.23%	3.72%

Stomach Pain	2	7	0.82%	4.34%
Renal Calculi	2	3	0.82%	1.86%
Fever	1	3	0.41%	1.86%
ENT	2	1	0	0.62%
Dental	0	1	0	0.62%
Ophthalmology	4	2	1.65%	1.24%
Gynaecology	0	1	0	1.24%
Heart Problem	4	1	1.65%	1.24%
Cough, Cold	12	3	4.95%	1.86%
COPD	5	2	2.06%	1.24%
Asthma	3	0	1.23%	0
Pneumonia	1	0	0.41%	0
Regular Check-up	12	19	4.95%	11.80%

Table 2: Representing the data of various types of ailments or diseases according to their past medical history.

Table 2 represents the list of ailments of patients in mega medical camp based on past medical history. Based on complaints given by the patients and based on clinical diagnosis the data was collected and tabulated. The patients who attended the camp were provided with better management and further suggestions are made based on the condition of the patient.

IV. DISCUSSION

The study of Mega Medical Camp was organised in sub-urban area of Guntur, which belongs to the are Prathipadu road, Guntur, Andhra Pradesh, India. This is a one-day camp, conducted under the supervision of the may specialized physicians and surgeons. The highest number of patients who attended the camp are comes under the age group of 30-60 years. Common conditions include fever, cough, cold, pains including joint pains, body pains, muscle pains, neck pains, gastric problem, dermatological related like rashes, fungal infections, thyroid, ENT related includes ear pain, discharge from ear, throat pain, gynaecological related includes uterine fibroids, respiratory includes COPD, asthma, pneumonia others like hypertension, diabetes mellitus.

Non communicable diseases (Diabetes, Hypertension) accounted for nearly 62% of the all deaths in india in 2016. Hypertension, Diabetes, Asthma and heart disease are the main four NCD's which results in 34% of these deaths ^[6].

V. CONCLUSION

Regularly, Health camps conducted by any organization provides medication with free of cost to the patient. This retrospective study provides us, Majority of the patients attended medical camp were of working age group and male participants are dominant than females in number.

Among the above studied symptoms and diseases, pains, diabetes mellitus, hypertension, cough, cold found to be more recorded as past medical history.

VI. ACKNOWLEDGEMENT

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