INTRODUCTION

Early and aggressive treatment is advocated by some to lessen the overall long-term impact to individuals [1]. Acne is a treatable disease, but the treatment usually lasts for many years and it may influence many aspects of patient’s life. In majority of the cases, the patient’s adherence to treatment is directly dependent on cost of treatment and compliance with treatment regimen is an essential element in overall effectiveness of therapy. In the Indian market, drugs of various brands are available for the treatment of acne vulgaris. This creates a lot of confusion for the physician to decide the brand of choice for their patients. Literature search revealed very few studies which compared the cost of drugs of different brands for acne vulgaris [2-5]. Acne is known to be a disease of the adolescents affecting approximately 85%-90% of the teenagers [6, 7]. It is most commonly present between the ages of 10 and 13 years in both sexes with the mean age of onset of acne being 11 years in girls and 12 years in boys [8, 9]. Acne is now presenting earlier and lasting longer [10].

This study puts an effort to find the most commonly used drugs in the treatment of acne vulgaris.

Aims and Objectives: To study the commonly used drugs in the treatment of acne vulgaris.

MATERIALS AND METHODS

- This study was done in the Department of Dermatology, Kanachur Institute of Medical Sciences, Deralakatte, Mangalore.
- This study was done from September 2019 to December 2019.
- The treatment which was prescribed for Acne Vulgaris was taken and then was reported.
- 120 patients were checked and analysed.

RESULTS

Graph-1: Age distribution
systemic antimicrobials use, American Academy of Dermatologists have proposed that systemic antimicrobials should be recommended in the management of moderate to severe acne and forms of inflammatory acne that are resistant to topical treatments. They also proposed doxycycline and minocycline are more effective than tetracycline, but neither is superior to each other whereas oral erythromycin and azithromycin can be effective in treating acne but its use should be limited to those who cannot use tetracycline.[14] In mild and non-inflammatory acne they prescribed Azithromycin over tetracycline as it is known to be safe and effective with better patient compliance [15-17].

CONCLUSION
The drugs that was usually prescribed is successfully reported so as to be useful to the Practising physicians and Dermatologists.

REFERENCES

DISCUSSION
We found that retinoids (Tretinoin, Adapalene, and Isotretinoin) were prescribed both topically as well as orally in patients. Topical tretinoin and adapalene are recommended as monotherapy in primarily comedonal acne, or in combination with topical or oral antimicrobials in patients with mixed or primarily inflammatory acne lesions. These can also be safely used in the management of preadolescent acne in children. Oral isotretinoin was recommended in our study patients for the treatment of some cases of Grade II and all cases of Grade IV acne. Isotretinoin is appropriate for the treatment of moderate acne that is treatment-resistant or for the management of acne that is producing physical scarring or psychosocial distress [11, 12]. Low-dose isotretinoin can be used to effectively treat acne and reduce the frequency and severity of medication-related side effects [13, 14].

Topical antimicrobials (e.g., erythromycin and clindamycin) are effective acne treatments, but are not recommended to be prescribed alone because of the risk of development of bacterial resistance. They should always be given along with another topical or systemic antimicrobial; retinoids (oral or topical); benzoyl peroxide, etc [14]. Similar prescription trend was seen in the study which speaks about the rationality of prescriptions for acne vulgaris in this set up. Regarding...
general population: the risk of smoking. *British journal of dermatology, 145*(1), 100-104.


