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REPORT



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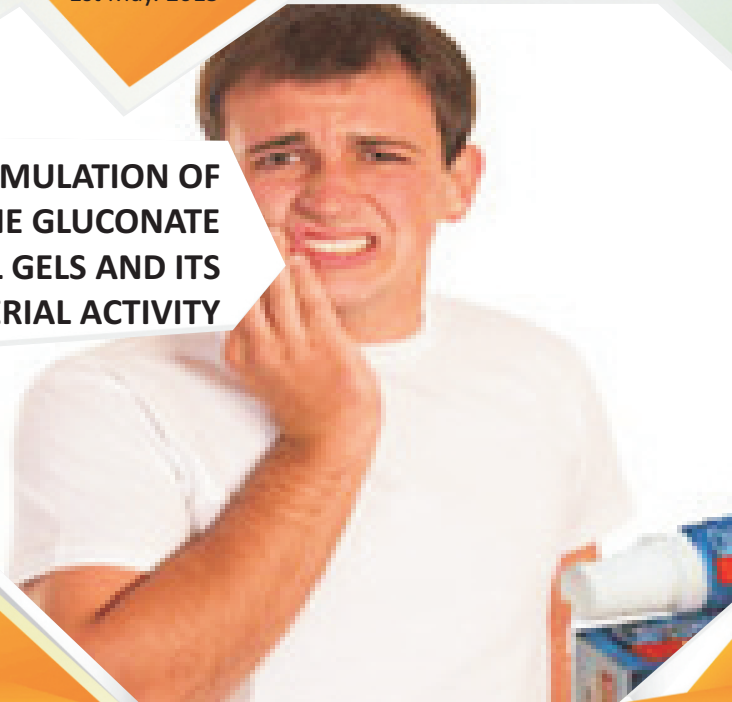
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ORIGINAL ARTICLE

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FORMULATION OF CHLORHEXIDINE GLUCONATE DENTAL GELS AND ITS ANTIBACTERIAL ACTIVITY



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Shivani Salil
Desai

ABSTRACT

Chlorhexidine has bacteriocidal and bacteriostatic properties also it is used to reduce oral bacteria and dental plaque. Chlorhexidine gluconate present in gel formulations possesses antibacterial activity towards the organisms present in the dental plaque. Hence, it is a new alternative and cheaper formulation for the treatment of Periodontitis.

Article Indexed in



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Introduction

Chlorhexidine Gluconate (CHG) is a class of bisbiguanide disinfectant and antiseptic which is effective against wide range of fungi, bacteria and some viruses [1]. Also it is used in prevention of plaque and gingivitis. In market, it is there in the form of oral rinse (Hexidine, Peridex) which shows antibacterial activity .

A Good Introduction :-

Depict the significance (importance) of the study - why was this value doing in any case? Give a wide connection. Extremely briefly depict the exploratory configuration and how it achieved the expressed destinations.

Materials

Chlorhexidine Gluconate(Loba Chemicals), Mueller-Hinton agar (Beef infusion, Casein Hydrolysate, Starch and Agar), propyl cellulose, Sodium carboxy methyl cellulose, Methyl cellulose, Propylene glycol, Methyl paraben, Propyl paraben and Chitosan all materials were purchased from Loba Chemicals, Robin Chemicals, Rolex Laboratory, Sisco Research Lab, Spectrochem, and Himedia.

A Good Materials :-

Materials may be accounted for in a different passage or else they may be distinguished alongside your systems. In biosciences we habitually work with arrangements - allude to them by name and portray totally, including convergences of all reagents, and pH of watery arrangements, dissolvable if non-fluid.

Result

Must add result in your article.

A Good Result :-

Results are as per aims and objective and useful to further research .

Conclusion

Hence, a novel oral gel formulation was successfully prepared, and from the above results we can conclude that the chlorhexidine gluconate present in gel formulations possesses antibacterial activity towards the organisms present in the dental plaque. Hence, chlorhexidine gluconate gel is a new alternative and cheaper formulation for the treatment of periodontitis.

A Good Conclusion :-

Clarify the majority of your perceptions however much as could be expected, concentrating on systems. Choose if the trial outline satisfactorily tended to the speculation, and whether it was legitimately controlled.

References

- Deepak S. Bhosale, Yogesh S. Thorat, Adhikrao V. Yadav. Formulation and Characterization of Buccal Mucoadhesive Patch of Chlorhexidine Gluconate. Int.J.PharmTech Res.2014,6(1), 6-10 .
- G Hita-Iglesias P., Torres-Lagares D., Flores-Ruiz R., Magallanes-Abad N., Basallote-Gonzalez M. and Gutierrez-Perez J.L., Effectiveness of chlorhexidine gel versus chlorhexidine rinse in reducing alveolar osteitis in mandibular third molar surgery, J.Oral Maxillofac. Surg., 2008, 66, 441-445.
- Adams D., Quayum M., Worthington T., Lambert P. and Elliott T., Evaluation of a 2% chlorhexidine gluconate in 70% isopropyl alcohol skin disinfectant, J. Hosp. Infect., 2005, 61, 287-90.

A Good References :-

There are Places where the Author Shivani Salil Desai and Vishnu M. Patel Need to Cite a Reference, but Have Not

SUMMARY OF ARTICLE

| No. | | Very High | High | Average | Low | Very Low |
|-----|--|-----------|------|---------|-----|----------|
| 1. | Interest of the topic to the readers | | ✓ | | | |
| 2. | Originally & Novelty of the ideas | ✓ | | | | |
| 3. | Importance of the proposed ideas | ✓ | | | | |
| 4. | Timelines | | | ✓ | | |
| 5. | Sufficient information to support the assertions made & conclusion drawn | ✓ | | | | |
| 6. | Quality of writing (Organization, Clarity, Accuracy Grammer) | | ✓ | | | |
| 7. | References & Citation (Up-to-date, Appropriate Sufficient) | | ✓ | | | |

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Editor-in-Chief

REVIEWER COMMENTS

- This was a superb give an account of extremely intensive examination.
- The writing audit was careful, the approach was carefully exhaustive and fused the utilization of sufficient quantities of tests in dust size examination and blast tests.
- I discover no shortcoming at all with the routines, information examination, or conclusions.

Authorized Signature

Dr. Ashok Yakkaldevi

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