

Evaluation Of The Antibacterial Efficacy And The

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Evaluation Of The Antibacterial Efficacy

Evaluation of the antibacterial efficacy of different bioactive lining and pulp capping agents 1. Introduction. Antibacterial activity of materials that can be used as both dental luting cements and pulp capping... 2. Material and methods. Three types of bioactive materials were tested in this ...

Evaluation of the antibacterial efficacy of different ...

3.1. Antibacterial Activity of Antibiotics and Plant Extracts. In the present study, initial screening was done to evaluate the antibacterial activity of selected antibiotics against available bacterial strains. A zone of inhibition measuring more than 8mm signifies that bacteria are susceptible to the tested antibiotics.

Evaluation and Comparison of Antibacterial Efficacy of ...

Antibacterial activity was evaluated by means of the agar diffusion method. Bacteria were either spread on the surface of an agar plate or mixed into the agar before pouring. For the surface inoculation technique, a suspension of bacteria in physiological salt water with a density equivalent to McFarland 1.0 was used.

Evaluation of the antibacterial efficacy of diesters of ...

The equation for quantitative antibacterial evaluation is given by $R (\%) = (A-B)/A \times 100\%$, where R is the percentage reduction ratio, A the number of bacterial colonies from the untreated bacteria suspension (without BC/Ag powders) and B is the number of bacterial colonies from the bacteria suspension treated with BC/Ag powders for 18 h. 3.

Evaluation of the antibacterial efficacy of bamboo ...

Evaluation of the antibacterial efficacy of diesters of azelaic acid. ... (nonanedioic) acid were prepared and tested for antibacterial effect. Two esters, bis-[(hexanoyloxy)methyl] nonanedioate and especially bis-[(butanoyloxy)methyl] nonanedioate showed promising activity against acne related bacteria in vitro. ... Antibacterial efficacy ...

Evaluation of the antibacterial efficacy of diesters of ...

Antibacterial efficacy Disc diffusion assay. After 24 h of incubation the zones of growth inhibition around each of the disc were measured to the nearest millimeter. Highest Zol (Table 1) was observed in TSC-AgNPs followed by PVP doped AgNPs (Fig. 5). The diameter of the zone is related to the susceptibility of the isolate and to the diffusion rate of the TSC-AgNPs through the agar medium.

Evaluation of the of antibacterial efficacy of ...

Evaluation of the fractional inhibitory concentration index (FIC) of ASWRE and SAWRE combined with some antibiotics Distinguishing synergistic from antagonistic interactions is of major importance for the development of improved strategies for the management of microbial infections.

Evaluation of antibacterial efficacy of anise wastes ...

According to the results of the present study, bromelain showed antibacterial efficacy against all the isolated strains of both aerobic and anaerobic microorganisms (Tables (Tables1 1 and and2). 2).

S. mutans showed sensitivity at the lowest concentration of 2 mg/ml as compared to *E. faecalis* (31.25 mg/ml) while *Pg* showed sensitivity at the lowest concentration of 4.15 mg/ml as compared to *Aa* (16.6 mg/ml).

In vitro Evaluation of Antibacterial Efficacy of Pineapple ...

The present study has been designed to assess the antimicrobial efficacy of six plant extracts (Aloe vera, Amla, Garlic, Ginger, Neem and Tulsi) against most common bacterial oral pathogen, *Streptococcus mutans*.

Comparative Evaluation of Antibacterial Efficacy of Six ...

The present research was aimed to evaluate the antibacterial efficacy of various herbal oils such as Cinnamon oil, Eucalyptus oil, menthol oil and lavender oil and found that cinnamon oil showed...

(PDF) Formulation, Evaluation and Antibacterial Efficiency ...

Oke et al.: Evaluation of Antibacterial Efficacy of Some Alcohol-based Hand Sanitizers 113 well and then aliquoted into test tubes identical to the ones used in preparing inoculum suspensions of the test organisms. The accuracy of the density of the standard was verified using a spectrophotometer.

EVALUATION OF ANTIBACTERIAL EFFICACY OF SOME ALCOHOL-BASED ...

Evaluation of antibacterial efficacy of photo-activated riboflavin using ultraviolet light (UVA). Makdoui K(1), Bäckman A, Mortensen J, Crafoord S. Author information: (1)Department of Ophthalmology, Orebro University Hospital, Orebro, Sweden. karim.makdoui@orebroll.se

Evaluation of antibacterial efficacy of photo-activated ...

Antibacterial and antioxidant combination study of isolated bioactive compounds. A combination study was done to evaluate the possible synergistic antibacterial and antioxidant efficacy of isolated bioactive compounds from coriander and cumin seed oil that exhibit both antibacterial and antioxidant activities individually in TLC-bioautography assay.

Evaluation of Synergistic Antibacterial and Antioxidant ...

Results: Lemon juice was slightly better than lemon grass oil and eucalyptus oil in eradicating microbes from the hands of health care workers and also lemon grass oil showed better antibacterial...

(PDF) EVALUATION OF ANTIBACTERIAL EFFICACY OF LEMON GRASS ...

Abstract. Objective-This study aimed to evaluate the antibacterial efficacy of two different formulations of propolis extract (30% Propolis in DMSO and 30% Propolis in Ethyl Alcohol) when used as an irrigant in the root canal system against *Enterococcus faecalis* and compare it that of 3.0% Sodium hypochlorite and 0.2% Chlorhexidine gluconate. Method and materials- Extracted single rooted human teeth were instrumented upto size 40. After removal of the smear layer, an inoculum of *E. faecalis* was ...

A Comparative evaluation of antibacterial efficacy of ...

Antibacterial efficacy of irrigants against *Enterococcus faecalis* e1066 Journal section: Operative Dentistry and Endodontics Publication Types: Research Evaluation of antibacterial efficacy of Chitosan, Chlorhexidine, Propolis and Sodium hypochlorite on *Enterococcus faecalis* biofilm: An in vitro study

Evaluation of antibacterial efficacy of Chitosan ...

The present study was carried out to evaluate the possible synergistic interactions on antibacterial and antioxidant efficacy of essential oils of some selected spices and herbs [bay leaf, black pepper, coriander (seed and leaf), cumin, garlic, ginger, mustard, onion and turmeric] in combination.

Evaluation of Synergistic Antibacterial and Antioxidant ...

Antibacterial efficacy was assessed by evaluating povidone-iodine minimum inhibitory concentration and minimum bactericidal concentration at varied pH. Storage stability of the preparations was determined over 30 days at room temperature (20-25°C).

Ex Vivo Evaluation of the Influence of pH on the ...

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Ex Vivo Evaluation of the Stability, Safety and Antibacterial Efficacy of an Extemporaneous Povidone-Iodine Preparation for Ophthalmic Applications - PubMed. This study confirms the stability and broad-spectrum antibacterial efficacy of povidone-iodine, while addressing the ocular irritation potential of this chemical.

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