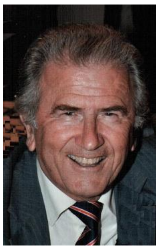

Δ^{ρ} Δημήτριος Γκέλης

Ιατρός Ωτορινολαρυγγολόγος, Οδοντίατρος, Διδάκτωρ της Ιατρικής του Πανεπιστημίου Αθηνών

Δαμασκηνού 46, Κόρινθος 20100, Τηλ. 2741026631, 6944280764, e-mail: pharmage@tellas.gr, pharmage@otenet.gr

www.pharmagel.gr , www.gelis.gr , www.orlpedia.gr ,www.allergopedia.gr, www.gkelanto.gr

ΙΓΜΟΡΙΤΙΔΑ (ΡΙΝΟΚΟΛΠΙΤΙΔΑ) ΚΑΙ ΑΝΤΙΒΑΚΤΗΡΙΔΙΑΚΗ ΔΡΑΣΗ ΤΟΥ Rhinosisam nasal spray ©

Υπό Δημητρίου Ν. Γκέλη, Ωτορινολαρυγγολόγου

Το **Rhinosisam nasal spray** είναι πολύτιμο και στην αντιμετώπιση, μαζί με τη λοιπή φαρμακευτική αγωγή που εφαρμόζει ο ωτορινολαρυγγολόγος, της οξείας και της χρονίας ρινοκολπίτιδας βακτηριδιακής αιτιολογίας.

Τούτο αποδίδεται στο **μαστιχέλαιο** που είναι συστατικό του **Rhinosisam nasal spray** μαζί με το **σησαμέλαιο** και τη **βιταμίνη Ε** (ισχυρά αντιοξειδωτικά) που περιέχει.

Το **Rhinosisam nasal spray** προλαβαίνει επίσης ή περιορίζει σημαντικά τη ρινίτιδα από έκθεση στο ψύχος ή τη ρινίτιδα των χιονοδρόμων, δρα αποτελεσματικότατα στην ξηρά ρινίτιδα και είναι ευεργετικότατο στη μετεγχειρητική πορεία των επεμβάσεων στη μύτη, καθώς μαλακώνει τις κρούστες.

Η Βιβλιογραφία που παραθέτουμε επιβεβαιώνει την αντιβακτηριδιακή δράση του μαστιχελαίου.

Βιβλιογραφία

Koutsoudaki C , Krsek M , Rodger A . Chemical composition and antibacterial activity of the essential oil and the gum of Pistacia lentiscus Var. chia.

J Agric Food Chem.
2005 Oct 5;53(20):7681-5.

Department of Chemistry and Department of Biological Sciences, University of Warwick, Warwick, Coventry CV4 7AL, United Kingdom.

The essential oil and gum of Pistacia lentiscus var. chia, commonly known as the mastic tree, are natural antimicrobial agents that have found extensive uses in medicine in recent years. In this work, the chemical composition of mastic oil and gum was studied by GC-MS, and the majority of their components was identified. alpha-Pinene, beta-myrcene, beta-pinene, limonene, and beta-caryophyllene were found to be the major components. The antibacterial activity of 12 components of mastic oil and the oil itself was evaluated using the disk diffusion method. Furthermore, attempts were made to separate the essential oil into different fractions in order to have a better picture of the components responsible for its antibacterial activity. Several trace components that appear to contribute significantly to the antibacterial activity of mastic oil have been identified: verbenone, alpha-terpineol, and linalool. The sensitivity to these compounds was different for different bacteria tested (Escherichia coli, Staphylococcus aureus, and Bacillus subtilis), which suggests that the antibacterial efficacy of mastic oil is due to a number of its components working synergistically. The establishment of a correlation between the antibacterial activity of mastic oil and its components was the main purpose of this research. Mastic gum was also examined, but it proved to be more difficult to handle compared to the essential oil.

T sokou A , Georgopoulou K , Melliou E , Magiatis P , Tsitsa E . Composition and enantiomeric analysis of the essential oil of the fruits and the leaves of Pistacia vera from Greece. Molecules. 2007 Jun 30;12(6):1233-9.

Department of Pharmacognosy and Natural Products Chemistry, Faculty of Pharmacy, University of Athens, Panepistimiopolis-Zografou, Athens 15771, Greece.

The essential oils of the fruits and the leaves of pistachio (Pistacia vera L.) were analyzed by

GC and GC/MS. Fresh unripe pistachio fruits were richer in essential oil (0.5%, w/w) than the leaves (0.1%, w/w). Twenty one compounds were identified in the essential oil of the fruits and the major components were (+)-alpha-pinene (54.6%) and terpinolene (31.2%). The enantiomeric ratio of the major constituents of the essential oil of the fruits was determined using chiral GC/MS and it was found that the (+)/(-)-alpha-pinene ratio was 99.5:0.5, (+)/(-)-limonene 80:20, (+)/(-)-beta-pinene 96:4, and (+)/(-)-alpha-terpineol 0:100. Thirty three compounds were identified in the essential oil of the leaves and the major components were found to be alpha-pinene (30.0%), terpinolene (17.6%) and bornyl acetate (11.3%).

Rhinosisam Nasal Spray

(Σησαμέλαιο, Μαστιχέλαιο, Βιταμίνη Ε

PHARMAGEL
PHARMACEUTICALS
Rhinosisam
nasal spray
Ρινικό Σπρέϊ
Medical device for the care of the nasal mucosa
Contains pure pharmaceutical Sesame oil, Vitamine E, and essential oils
10ml

[illegible] χειρουργημένες μύτες