

St. erider-midis, St. pneumoniae, St. faecalis, St. pyrogenes, St. agalactiae, Propionibacterium acnes, Betahaemolytic streptococcus; : E. coli, Klebsiella pheuraoniac, Citrobacter spp., Shigella sonnei, Proteus mirabilis, Legionella spp., Ps. aeruginosa; : Trich. mentagrophytes, Trich. rubrum, Asp. niger, Asp. flavus, C. albicans, Microsp. canis, Microsp. gypseum, Thermoactionomycetes vulgaris.

(1:20, 1:50, 1:100, 1:200, 1:400),

(. 1) [6].

. 1,

I

:	,	
1:20	31,2±2,3	28,5±2,4
1:50	19,3±3,5	13,2±3,5
1:100	11,2±1,1	11,2±3,5
1:200	7,3±2,7	8,5±2,6
1:400	3,5±2,9	5,3±3,1

: n = ; P = 9 %

» « - « - (. 2).
 . 2, , -
 « »
 . St. aureus 25923
 2

-	,	
	« »	« »
St. aureus 25923	15,6 ± 0,4	14,2 ± 0,8
. 25922	14,6 ± 0,4	
Ps. a ruginosa 27853	13,2 ± 0,3	
. subtilis 6633	18,9 ± 0,6	14,2 ± 0,2
. albicans 885/653	14,5 ± 0,5	18,2 ± 0,6

: - ; n = ; P = 9 %.

. 6633. - [4].
 - :
 « » - (15,6±0,4) (18,9±0,6) ,
 « » - (14,2±0,8) (14,2±0,2) ndida,
 .
 25922 . ruginosa 27853, -
 (13,2±0,3) (14,6±0,4) .
 1:50. ,
 . W 35, -
 , -
 .

1.

2.

« » « »

1. - 2010. - 1. - . 85-92. // -

2. « - 1- . - . - 2005. - /

3. // . - 2010. - 5. - . 20-23.

5. // - . : , 2000. - 331 . / -

6. - 2006. - 3. - . 78-79.

7. Hammer K.A. In-vitro activity of essential oils, in particular Melaleuca alternifolia (tea tree) oil and tea tree oil products, against Candida spp. / Hammer K.A., Carson C.F., Riley T.V. // J.Antimicrob.Chemother. - 1998. - 42(5). - P. 591-595.

8. Nenoff P. Skin Antifungal activity of the essential oil of Melaleuca alternifolia (tea tree oil) against pathogenic fungi in vitro / Nenoff P., Haustein U.F., Brandt W. // Skin Pharmacol. - 1996. - 9(6). - P. 388-394.

28.12.2010

: 615.322:616.5:618.1:665.526.7

1:50.

T.G. YARNYKH, YU.V. LEVACHKOVA,
O.A. GARKAVTSEVA

**THE SCIENTIFIC GROUND FOR USING OF THE
TEA TREE ESSENTIAL OIL IN GYNECOLOGY AND
DERMATOLOGY**

Key words: essential oil, tea tree, development of preparations, gynecology, dermatology

Information about antimicrobial activity of the tea tree essential oil, the ointment «Dermalik» and vaginal suppositories «Melanizol», containing this essential oil, is resulted in the article. It is indicated that their antimicrobial activity is at the same level as the antimicrobial activity of tea tree oil in dilution 1:50. The perspective of the use of tea tree oil is well-proven at development of different medicinal preparations for application in gynecology and dermatology.