

presence of lipid droplets informativeness near the nucleus, which may reflect the development of the phanerozoic (2, 3). For that reason, we believe that there is a single mechanism for the fragmentation of the cytoplasm of alveolar macrophages, and eosinophils in the lungs in the case of respiratory diseases. This view is confirmed by the fact that in the study of partial weight bronchoalveolar cytogram in the case of asthma found a reliable correlation coefficient, confirming the existence of an inverse-proportional relationship between the number of alveolar macrophages, and eosinophils (2).

Conclusion:

1. In patients with bronchial asthma in the respiratory tract revealed degranulation of eosinophils, which is done by the fragmentation of the cytoplasm.
2. In the respiratory tract in patients with bronchial asthma, eosinophilic leukocytes in damaged cells no shrinkage, nuclear fragmentation, marked hypertrophy of the nuclear matrix.

Referenecs

1. Geier G. Electronic histochemistry.- Wiley, New York, 1974.- 488 p.
2. Zinoviev S.V. Morphometric characteristics of pulmonary macrophages contained in bronchoalveolar lavage fluid from patients with bronchial asthma // Bulletin of the physiology and pathology of the respiratory system.- 2010.- Issue 38.- P.42-43.
3. Dvorak al A.M., and Ishizaka T. Human eosinophils in vitro. An ultrastructural morphology primer //Histol. Histopath.- 1994.- V. 9.- P. 339-374.
4. Filipović M., Cekić S. The role of eosinophils in asthma //Medicine and Biology.- Vol.8, No1.- 2001.- P. 6.-10,
5. Kroegel C., Dewar A., Yukawa T. et all. Ultrastructural characterization of platelet; lctivating factor-stimulated human eosinophils from patients with asthma //Clinical Science. -1993.- V.8.- P. 391-399.
6. Stockert J. C. The The horse eosinophil as model leucocyte for morphological and cytochemical studies //Braz. J. Morphol. Sci. - 2005. - V.22, № 2. - P. 73-84.
7. Venge P. What is the role of the eosinophil? // Thorax. - 1990. - V.45. - P. 161-163.

Modern technology Amur - the path to success!

Lachin S, Ostronkov V.

ZAO "Ametis", Blagoveshchensk, Russia

Amur "Ametis" from December 2003 engaged in deep processing of timber Dahurian. The plant in Blagoveshchensk produce valuable products under the brand name "Lavitol", which are used in the pharmaceutical, food and cosmetic industries and agriculture.

Using patented technology, ZAO "Ametis" is a unique substance - Dihydroquercetin. In addition, the company manufactures arabinogalactan and larch oil resin. On the basis of its own raw materials ZAO "Ametis" makes dietary supplements "Laviokard +" and supplement "VitaLAG." In 2012, the company registered a new biologically active food supplements "Laviokard Extra" for the prevention of cardiovascular disease, which includes Dihydroquercetin the highest purity - more than 99%.

High quality products of JSC "Ametis" confirms a number of certifications, including international ones. Thus, the company has passed the certification of quality management system according to ISO 9001:2008 series of standards and HACCP, indicating that strict compliance with and implementation by the international requirements.

"Ametis" is not standing still and is actively developing both in the domestic and international markets, improving production technology, introducing the know-how to produce high-quality,

high-efficiency, natural product. "Ametis" has been successful in obtaining ultrapure unique products here in the Amur region. The specialists of "Ametis" mastered the new filtration system. If you used to get stuff with a purity of 70 to 95%, now unable to allocate from the Daur larch hands clean Dihydroquercetin with purity up to 99.5%. Extra virgin raw materials has the highest activity, it is better absorbed by the body, which greatly facilitated the Amur producers procedure of registration of their products are like drugs.

Dihydroquercetin, manufactured by ZAO "Ametis" in 2012, registered with the Ministry of Health of the Russian Federation as a pharmaceutical substance, it can be used in the production not only of dietary supplements, but also drugs. It should also be noted that the registration of his own medicine at the stage of completion.

For us this is a new stage of development, for the first time in the Amur region will be established pharmaceutical production.

Today ZAO "Ametis" - dihydroquercetin largest producer in the world, on which share more than 80% of the total output of the product. Production capacity - 13 tons and 60 tons dihydroquercetin and arabinogalaktan year.



ZAO "Ametis"
Blagoveshchensk City. Quay, 68, tel.: (4162) 33-34-42
www.ametis.ru, market@ametis.ru

Clinical and morphological characteristics of the venous system of the liver in patients with chronic obstructive pulmonary disease at different stages of chronic pulmonary heart formation

N.V. Loskutova, I.A. Buldakova, I.G. Menshikova, A.A. Grigorenko

AmurStateMedicalAcademy, Blagoveshchensk, Russia

Abstracts:

A study of blood flow in the hepatic veins in 158 patients with chronic obstructive pulmonary disease (COPD) and autopsy material from 53 patients who died of COPD in different stages of