

the postoperative period and their recovery are faster, compared to other types of anesthesia.

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GRASS OF THE DESERT: COMPOSITION, PROPERTIES, VETERINARY USE

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Motherwort herb was widely used in the Middle Ages, then it was forgotten. Only at the end of the XIX century it was again used as a remedy for heart diseases. In the 30s. of the XX century grass motherwort began to replace valerian. As for its sedative effect, motherwort was 1.5 times more effective than drug valerian [1]. Motherwort grass is collected in the phase of the beginning of flowering and dried grass of a wild-growing and cultivated perennial herb of the heartwort (motherwort ordinary) – *Leonurus cardiaca* L. and five-bladed motherwort – *Leonurus quinquelobatus* Gilib., Family Lamiaceae (Lamiaceae). Only these species of the motherwort genus are used as medicinal raw materials.

Motherwort grasses bloom in July – September and bear fruit in August – September [3]. Cardiac motherwort is widespread in the Mediterranean, Atlantic, Central and Eastern Europe, Scandinavia, Asia Minor, Mongolia, China, as an alien plant in North America [4].

The authenticity of motherwort grass is established by external signs, using microscopy, as well as using thin layer chromatography [5].

The pharmacological properties of motherwort grass are inextricably linked with its rich chemical composition: stems and leaves contain carbohydrates, alkaloids (0.035-0.4%), essential oil, tannins (up to 2 %), bitterness, flavonoids (rutin, quercetin 7- glucoside, quercetrin, quinqueloside, cosmosyin, isocvercitrin, hyperoside), alkaloids (leonurin, leonuridine), saponins, glycosides, paracoumaric and ascorbic acids (23,6 – 65,7 mg %), beta-carotene. The flowers also contain stachidrin alkaloid (up to 0,4 %), which has a cytoprotective effect, increasing the activity of antioxidant enzymes superoxide dismutase, glutathione peroxidase. Motherwort seeds are rich in fatty oils (up to 30 %). The motherwort contains numerous mineral components: macrocells - potassium, calcium, magnesium; trace elements - manganese, iron, copper, zinc, molybdenum, chromium, vanadium, selenium, nickel, strontium, lead, boron [6]. Motherwort herb stabilizes the heart rhythm and strengthens the myocardium, has sedative, antispasmodic and anticonvulsant effects, reduces blood pressure, cholesterol, glucose, pyruvic and lactic acids, stabilizes protein metabolism and removes excess fats. Motherwort is effective for the treatment of gastrointestinal diseases, especially with stomach cramps and catarrh of the large intestine. It has diuretic, anti-inflammatory and expectorant properties [4, 5].

In veterinary medicine, drugs are used on the motherwort base. “Motherwort tincture” is used for cardiovascular neurosis, increased nervous irritability, cardiosclerosis, coronary heart disease, myocarditis, heart defects and mild forms of basedovoy disease. It is used internally for horses and cattle – 10-15 ml, for small cattle – 3 - 5 ml, for pigs – 2 - 3 ml, for dogs – 0,5 - 1,5 ml 2-3 times a day. FITEX soothing drops for dogs and cats are prescribed for dogs and cats for soft correction of psychogenic behavioral disorders: increased irritability, including during sexual hunting (increased vocalization, meowing, tagging, intraspecific aggression), a sense of fear, irritability, during various events and manipulations. It is applied inside forcibly to the root of the tongue or to the buccal region. You can apply drops directly to the treat and let the animal eat it 1 hour before the main feeding at the rate of 1 drop of the drug per 1 kg of the animal's weight 3 times a day. The duration of use is

15 - 30 days, depending on the condition of the animal and the individual characteristics of the body. "Cat Bayun infusion" is used, starting from 10 months of age, to correct the behavior of cats and dogs: aggression, phobias, violation of sexual behavior, hyperactivity, causeless constant barking, coprophagy. The drug is administered orally: cats 2 ml, dogs 4 ml 3 - 4 times a day for 5 - 7 days every month, or added to water for drinking. Contraindication for the use of the drug is an individual hypersensitivity to the components of the drug.

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