

## HYALUDENT GEL

### Prophylaxis gel for complex treatment and prevention of periodontal diseases

#### Biological properties of hyaluronic acid

Among biologically active substances of natural origin special place belongs to hyaluronic acid. The outstanding properties of hyaluronic acid among other substances are based on its chemical structure. Hyaluronic acid has a large water holding capacity - one molecule of hyaluronic acid binds 200-300 water molecules. Together with other proteoglycans hyaluronic acid is a member of the extracellular matrix.

Hyaluronic acid (HA) is present practically in all human organs, so it has a variety of curing features based on stimulation of reparative processes in a body and absence of antigenic properties. By stabilizing the intercellular substance it protects periodontal tissues from intervention of bacteria, viruses, toxins. Protective effect of HA is in fact that it temporarily builds into the surrounding cells of periodontium of matrix from glycosamine glycanes and proteins, thereby hindering the access of toxic substances to the cells.

Due to its physical and chemical properties such as high viscosity, specific ability to bind water and proteins and to form proteoglycan aggregates, hyaluronic acid contributes to the manifestation of numerous functions of connective tissue. It is very important in regeneration of periodontal tissues and oral mucosa.

#### Indications:

- therapeutic and prophylactic remedy for infection and inflammatory diseases of periodontal tissues and oral mucosa;
- remedy for improving microcirculation and metabolism in periodontal tissues;
- elimination of inflammation of oral mucosa, elimination of pressure sore when using dental prostheses

#### Composition

Na hyaluronate	Distilled water
Trilon B	Chlorobenzyl alcohol
Klucel	

#### Recommended use

Remove the cap of syringe and put in a cannula for application. Isolate working area from saliva. By slow extrusion apply a gel to the treated surface. Apply such amount of gel that it would cover the surface with the excess. Gel is highly fluid, so it can fill the whole periodontal pocket or other area. Leave the gel on the treated surface under the periodontal dressing.

**Attention.** Do not use the instruments that can injure the surrounding tissues.

#### Package contents and storage

Material is packed in 2 plastic syringes of 2,5 ml each. 10 disposable application cannulas enclosed. Material should be stored in a cool dry place.

Recommended temperature of storage is +4 to +20°C.

Shelf life is 2 years.