

## «Karipain cream» in case of vertebral column and abarthrosis diseases

«Karipain cream» has made a good showing among physiotherapists and massage therapists. «Karipain cream» contains special components which prevent it from soaking into the skin and provide comfort during massage. «Karipain cream» can be considered as a topically-applied separate procedure and because the conductors of ultrasound in its formula it can be used as an addition to medical phonophoresis as well.

### Therapeutic Indications

«Karipain cream» is indicated in the management of following conditions:

- intervertebral disc protrusion (pre-hernia);
- spinal disc herniations;
- inflammatory and generative joint disease (arthrosis, arthritis, bursitis, etc.);
- osteochondrosis;
- osteoarthrosis;
- arthrogenic contracture;

And also is indicated in the cases of other degenerative-dystrophic changes of vertebral column and abarthrosis. Besides, the medication is highly effective against keloid cicatrix, scars and burns of different origin and in treatment of cicatricial adhesions.

### Therapeutic use

- Topically-applied
  - Phonophoresis
- 1) Topical use:

Massage with «Karipain cream» is to be conducted as follows: press required amount of the cream and apply on the problem areas. Then apply the cream on massaging area in circular motions until fully absorbed. «Karipain cream» is a mainstream among physiotherapists and massage therapists. «Karipain cream» contains special components which prevent it from soaking into the skin and provide comfort during massage.

- Course of treatment: 4 weeks
- Application: 2 times per day apply 2-3 grams on 10 square centimeters
- Repetitive treatment: after 1 month

#### 2) Phonophoresis

«Karipain cream» has a balanced formula of active ingredients with conductors of ultrasound which allows conduction of phonophoresis without any additional components. During one session of phonophoresis it is allowed to process not more than 2 areas of body surface not bigger than 200 square centimeters each and for no longer than 20 minutes. It is very important that the contact of an ultrasonic head and body is close, because gaps of air in-between reduce the efficiency of the phonophoresis dramatically. Treatment of affected area of vertebral column by ultrasound, consists in moving the ultrasonic head along the backbone waved 1,5-2 centimeters back from centre line (along paravertebral lines). Ultrasonic head is to be moved slowly in circular and longitudinal motions (simultaneously) along affected areas.

Course of treatment: 4 weeks

Application: 1 time per day 6 milliliters per 100 square centimeters

Repeat after 1 month

## Ingredients

Water, petrolatum, PGPH dehydrols, mineral light oil, papain, glucosamine hydrochloride, hyaluronic acid, lamerform TGI, glycerin, lanolin, microcare PM 5, triethanolamine, perfume compound.

## Main properties of active ingredients

### Papain

A monothiol cysteine endoprotease called Papain is produced from the milky juice of special varieties of papaya. Applying Papain on the area where spinal or articular cartilage is damaged makes areas with necrotic cells resorb. As a result, good conditions are built for recovery of bone and vascular tissue.

Papain positively affects areas of spinal cord injury. Thanks to the unique properties of this substance protrusions reduce in size and become softer. In consequence of regression pressed vessels and nerves get released, so the sensation of pain disappears. Besides, thanks to Papain recovery of intervertebral disk tissue happens much faster.

### Hyaluronic acid

Hyaluronic acid is a polysaccharose and the most important component of joint fluid. It prevents degenerative changes in cartilaginous tissue. Besides, this substance has fluid moisturizing and protective effect and it also normalizes features of natural joint fluid by transporting other active ingredients of «Karipain cream» to tissues and organs.

### Glucosamine

Being a part of formula of «Karipain cream», Glucosamine is an amino-monosaccharide extract from crustacean shells. This substance delivers powerful chondroprotective and regenerative effect acting as the most important and natural metabolite of articular cartilages. Together with that, body tissues absorb glucosamine and it acts as basic material for fusion of glycosaminoglycans and proteoglycans, which are necessary for cartilaginous tissue.

Advantages of the gel «Karipain cream» are in strictly verified concentration and balance of active ingredients. Active ingredients maintain their health properties up until the expiration date established by the manufacturer. Thanks to such an approach it became possible to effectively treat musculoskeletal diseases with conservative methods.

## Effectiveness in use

According to the several conducted medical research involving patients of different age groups the cream “Karipain” delivers significant improvement in more than 77% of cases. A positive dynamics of motor activity as well as of muscle tone condition, neurological status, biomechanics of spinal column and change of bone tissue are reported after the treatment. Application of “Karipain” is considered to be the most effective in tandem with phonophoresis as ultrasonic sound delivers active ingredients of the cream to the affected organs and tissues directly in-depth.

## Counterindication in Use

Counterindication for spine and joint disorders treatment is individual idiosyncrasy of the ingredients complexed with the cream.

**Drug unit**

Laminated tuba of 50 ml. Carton packs of 1 tube each.

**Storage**

Keep dry; protect from light at a temperature from +5 till 25 degrees C.

**Expiration date**

24 months. Date of manufacture (series) is indicated on the tube.