

Application Instructions
Medical Product for Normalizing Human Serotonin Balance
Sterile Hydrocolloid Mineral Plaster (HMP)
SCHALI® - D3 (Pancreatitis)

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INGREDIENTS:

HMP SCHALI®-D3 is a hydrocolloid mineral plaster based on SCHALI® active mineral formulation (SCHALI-T/10-S titanium dioxide [TiO₂]).

Titanium dioxide, Sodium carboxymethyl cellulose, Elastomer, Dioctyl adipate, 100% Hydrogenated petroleum resin, Polyurethane film, Polyethylene terephthalate.

MECHANISM OF ACTION:

HMP SCHALI® Hydrocolloid Mineral Plaster is intended to restore and maintain normal serotonin balance in humans.

HMP SCHALI® exerts a synergistic effect to human body and promotes function of human serotonin receptors. In contact to warm human skin, hydrocolloid mineral plaster induces natural heat response, that triggers generating active oxygen molecules [O₂(a¹Δ_g)] on the surface of crystals of distinct type oxides (TiO₂) – semiconductors, containing plenty of reactive centers for energy transfer. Energy that is emitted by generation of active oxygen forms, is transferred to human body, where it induces and maintains cascades of bio-resonance wave processes, resulting in better function of serotonin receptors. Control over serotonin reuptake inhibition is enabled by selectively blocking serotonin absorption in presynaptic membrane. Hence, re-balanced level of neurotransmitter in the synaptic cleft may intensify neurotransmission in serotonergic synapses.

Serotonin balance also has a strong health beneficial effect and helps in relieving symptoms of different pathological conditions, restoring automatic and contractile functions in smooth muscles, better platelets aggregation and neutrophil mobility.

Normal function of human serotonin receptors contributes to both restoration of homeostasis and better function of main human organs and systems.

SEROTONIN IN PANCREATITIS THERAPY:

In scope of pancreatitis complex therapy, serotonin may intensify therapeutic effect by inducing pancreas to regenerate tissues and increasing serotonin sensitivity.

Disturbed neuroregulation function may cause structural changes in pancreatic tissues. Those changes in neurotransmitter - hormone ratio may lead to malfunction of the entire regulatory system.

The product activates human serotonin receptors and induces them to restore their normal function, resulting in better function of the entire regulatory system. This helps in maintaining normal serotonin level and reducing inflammation in pancreas.

In pancreatitis conditions, properly re-balanced level of serotonin as of one the most important human neurotransmitters is capable of changing the whole “scheme” of regulatory system interactions and restoring function - regulatory mechanism by inducing pancreatic connective tissues to regenerate and to relieve spasm in smooth muscles.

In prevention and therapy of pancreatitis conditions, rapid relief of inflammation reaction regulated by serotonin, acetylcholine and cytokine is crucial to inhibit pancreatic destruction, fibrosis, particularly in acute pancreatitis conditions and after destructive changes. Well-balanced serotonin level is crucial to qualitative treatment of pancreatitis conditions, as broken interaction between neurotransmitter and cytokine may jeopardize the entire therapy.

Changes in hormone – neurotransmitter ratio in acute pancreatitis conditions is caused by certain adaptation reactions, as human body tries to adopt its main functions to new environmental changes.

Broken motor activity and generation in visceral carcinoid cells are both related to serotonin level. Activated serotonin receptors induce visceral hyper-sensibility, resulting in stronger stimulation effect on smooth muscles and changing excitability of the entire functional system that promotes peristaltic reflex in both neurons and smooth muscles. Serotonin also regulates neuronal pressure in the duct system by affecting Oddi's sphincter fibers. Therefore, regular use of the product may induce smooth muscles, biliary tract and intestines to restore their function, relieve spasm and prevent hypotension in (chronic) pancreatitis conditions.

INDICATIONS:

- Serotonin deficiency conditions
- Low pancreas function in acute and chronic pancreatitis conditions
- Low insulin production by pancreas
- Low insulin sensitivity in hepatic cells
- Digestive ferments secretion disorder that may cause acute intoxication conditions
- Low protective crypt cell production in duodenum
- Low gastroenteric motility and secretion
- Neuropathy (pain and cramp in extremities)
- Atherosclerosis in peripheral arteries, also in lower extremities
- Low metabolism, low vascular and CNS function
- Abdominal pain, exocrine insufficiency syndrome etc.
- Depressive conditions related to permanent abdominal pain.

SCOPE OF APPLICATION:

It's recommended to use HMP "SCHALI®-D3" as follows:

- Apply 2 products at the same time to the marked acupuncture points 3 since day 1 to day 21 (see Scheme of acupuncture points).
- Apply one product to the marked acupuncture points 3 since day 22 (see Scheme of acupuncture points).

COMPATIBILITY WITH OTHER MEDICATIONS:

This medical product may be used in a complex therapy and is well compatible with other medications.

It's strongly recommended to consult your attending medical doctor for re-dosing or cancelling your prescribed medications while using the product.

METHOD OF USE:

Attach the product onto posterior neck surface on VII cervical vertebra (mostly prominent neck-bone), on acupuncture point(s) (See Scheme of Acupuncture Points) and/or over problem site(s), and wear the product several days continuously. Do not remove the product for night time or while sleeping, taking bath or shower. The product is waterproof, resistant to temperature drop and may be worn for 3 to 7 days averagely. Feeling of warmth in the contact site is a normal reaction and requires no product removal. The first effect is to expect within 10-40 min. Duration of application course depends on individual response.

SIDE EFFECTS:

No side effects.

No product dependence. No rebound syndrome.

PRODUCT FORM:

The product includes a hydrocolloid pad impregnated with SCHALI® active mineral formulation and placed in the middle of a fixing part made of an environment-friendly transparent polymeric material and hypoallergenic adhesive. Both sides of the product are covered with protective sheets. The product is placed into a protective bag with tear-off control.

STORAGE CONDITIONS:

Keep the product in the intact protective bag at below +25°C, with no contact to odorous and chemical substances.

Prohibited wearing the product in sauna, steam bath and solarium.

Keep away from direct sunlight.

Do not use while sunbathed.

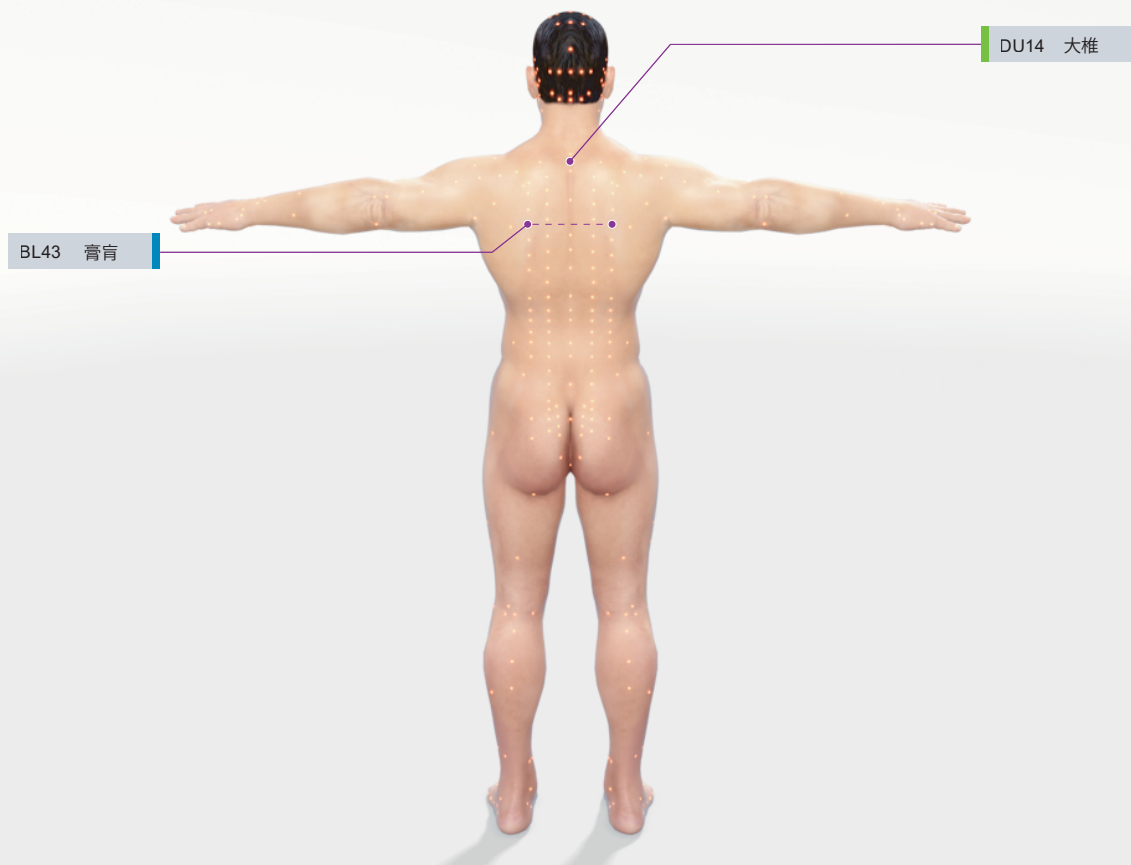
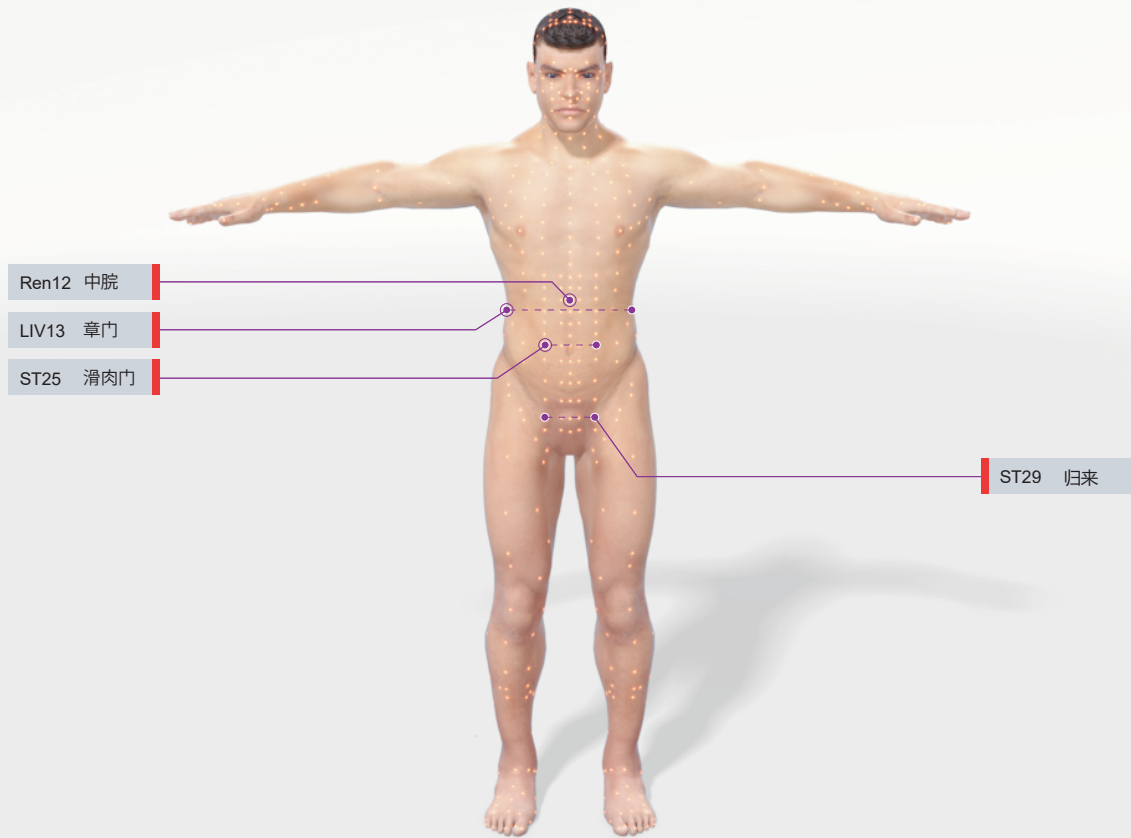
SHELF LIFE:

Shelf life is 3 years from the date of production.

Do not use the product after expiry date specified on the package.

HMP SCHALI® Hydrocolloid Mineral Plaster is made under license No. 286-S

Scheme of Acupuncture Points



The product is intended for application onto active energy points in accordance with the WHO Acupuncture Therapy guideline (1993).
For more details please see our webpage www.schalipharma.com



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