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Effect of *Shenrong Body Lotion* (参茸护肤乳) on Subacute Skin Aging Model Mice

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ABSTRACT Objective To observe the protective effect of *Shenrong Body Lotion* (参茸护肤乳, SBL) on skin aging and its potential mechanism. **Methods** By drawing lots, 71 mice were divided into a blank group, a model group, a matrix group, a positive control group and Shenrong high, medium and low dose groups, with 9 mice in each group. D-galactose was injected subcutaneously to establish the skin aging model in all groups except for the blank group. After modeling, the matrix group was applied the body lotion matrix for skin care, the positive control group was given Revitalift Anti-Wrinkle Emulsion, while the Shenrong high, medium and low dose groups were respectively given body lotion containing 12% Renshen [人参 *Ginseng Radix Et Rhizoma*] extract and 11% Lurong [鹿茸 *Cervu Cornu Pantotrichum*] collagen peptide, 7% Renshen extract and 5% Lurong collagen peptide, and 3% Renshen extract and 2% Lurong collagen peptide. The dose was 1 mg/cm² for all groups, and the treatment period was 42 days. The contents of water, hyaluronic acid, hydroxyproline, and malondialdehyde (MDA), and the activity of glutathione peroxidase (GSH-Px) and superoxide dismutase (SOD) in the skin tissues were observed. There were also another 8 mice subjected to acute multiple skin irritation test to observe the irritation of SBL for the skin of mice. **Results** SBL was safe and non-irritating for skin. The content of water, hyaluronic acid and hydroxyproline decreased, and the activity of GSH-Px and SOD also decreased while the content of MDA increased in the model group ($P < 0.01$). After the application of high dose SBL, the contents of water, hyaluronic acid and hydroxyproline and the activity of SOD and GSH-Px in the skin significantly increased while the content of MDA significantly decreased ($P < 0.05$ or $P < 0.01$), and the effect was quite similar to that of Revitalift Anti-Wrinkle Emulsion. **Conclusion** SBL seems to have significant effect on improving skin aging, and the potential mechanism might be improving the content of skin moisture, hyaluronic acid, and hydroxyproline, increasing the activity of SOD and GSH-Px, and reducing MDA content in skin aging mice.

Keywords skin aging; *Shenrong Body Lotion* (参茸护肤乳); hydroxyproline; hyaluronic acid; antioxidation

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特色王氏热透灸培训

1 王氏热透灸的特点

1) 药艾条直径 4 cm, 长 10 cm, 单根可燃烧 3 个小时, 多根并用 (3~16 根) 燃烧温度高达 551°; 2) 无需人工手拿 (有专用灸器); 3) 无烟 (艾烟净化器专利号: ZL 2016 2 0232880. x); 4) 面积大、时间短、近距离、高温、药力峻、强渗透、立即有灸感; 5) 病患易于接受; 6) 高效, 充分展现古灸大法的功力。

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