

Clinical and Laboratory Study on Wet Dressing with 3% YIN-CARE LOTION in Treating Some Skin Diseases

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Abstract wet dressing with 3% YIN-CARE LOTION was applied in treating of 13 kinds of skin diseases, such as eczema (n=587). In parts of these diseases, 100 cases were used as the control. The result showed that in 587 cases, the curative rate was 33.5%, and the total effective rate was 93.5%. It indicates that wet dressing of 3% YIN-CARE LOTION has a good bacteriostasis effect.

Key words therapy eczema

From May 1991 to April 1992, Wet dressing with YIN-CARE LOTION was applied in treating some skin diseases, such as eczema (n=587). In parts of these diseases, in order to make comparison and observation from each other, two control groups (n= 100) were set up, and the summing-up report was as follows:

1. Cases Chosen

Among 587 cases, there were 306 male cases and 281 female cases with the average age of 35.5, ranging from 2-month-old to 71 years old. Among them, there were 99 cases with eczema, 28 cases with infantile eczema, 60 cases with contact dermatitis, 79 cases with fixed drug eruption, 10 cases with erosive balanoposthitis, 21 cases with allergic dermatitis, 33 cases with zoster, 13 cases with erysipelas, 6 cases with varicose syndrome, 17 cases with impetigo herpetiformis, 81 cases with N. Gonorrhoea, 42 cases with pointed condyloma and 98 cases with crural tinea infection.

2. Medicines and Method

The therapeutic group, consisting of 587 cases, were treated with 3% YIN-CARE LOTION, while the boric acid control group were treated with 3% boric acid solution, and the furacin control group were treated with 0.02% furacin solution. The method of wet dressing was applied in each group 4 times a day. The dressing was replaced regularly and appropriate humidity was kept. Each group was treated for 7 successive days so that their treatment results would be judged.

3. Laboratory Test.

Among 587 cases, 40 cases were drawn materials for culture before and after treatment. As a result, before treatment, 40 portions of secretion each grow bacterium counting 22 cases with staphylococcus aureus, 7 cases with Pseudomonas aeruginosa and 11 cases with Corynebacteriaceae; After treatment, 27 cases became negative. The result indicates that wet dressing of 3% YIN-CARE LOTION has a good bacteriostasis effect.

4. Standard of Therapeutic Effect

Cured: skin injury and symptom were eliminated completely; Significant effective: more than 70% of skin injury was eliminated, and symptom was obviously eased; Effective: more than 30% of skin injury was removed, and symptom was eased; Ineffective: skin injury and symptom were a little better or more serious.

5. Treatment Results

5.1 Total therapeutic effect: in 587 cases; 197 cases (33.5%) were cured, 209 cases (35.6%) were significant effective, 143 cases (24.4) were effective, 38 cases (6.5%) were in effective, the total effective rate was 93.5%. (Table 1)

5.2 Comparison of Therapeutic Effect:

Infectious diseases and noninfectious diseases were divided into 4 groups. 2 groups for each disease respectively were used as the control. The cases of therapeutic group were counted among total therapeutic effect.

5.2.1 Control group A: 316 cases were divided into two groups at random for synchronous control study. Therapeutic group consisted of 226 cases, and boric acid group 50 cases. Comparison of therapeutic effect between these two groups showed little difference on statistics ($p > 0.05$). (Table 2)

5.2.2 Control group B: 288 cases were divided into two groups at random for control study. Therapeutic group consisted of 238 cases, and furacin group 50 cases. Comparison of therapeutic effect between these two groups showed significant difference ($p < 0.05$) (Table 3)

6. Discussion

We used 2-5% YIN-CARE LOTION of 4 different concentrations to make therapy experiments on patients in hospital. As a result, stimulation was caused by concentrations over 3%. The higher the concentration was, the more serious the stimulation was. Concentrations under 3% made exudate not be absorbed obviously and relieve swelling and redness slowly in spite of no stimulation. 3% concentration led to rapid absorption of exudate, quick healing of erosion and obvious relieving of swelling and redness. Thus 3% concentration was chosen for therapeutic study. The therapeutic effect of 587 cases showed that wet dressing of YIN-CARE LOTION was an effective way in treating of exudative, erosive and infective skin diseases. At the same time, we noticed that exudate was difficult to be absorbed and longer time was needed in treatment when wet dressing with YIN-CARE LOTION added with surface active agent. The wet dressing solution used is processed by adding stock solution of surface active agent.

Control observation of wet dressing with 3% YIN-CARE LOTION showed that comparison of therapeutic effect between hypersensitive diseases and 3% boric acid solution was consistent. But comparison between the therapeutic effect on infective skin injury and on furacin solution showed great difference ($P < 0.05$), according to statistics. It indicates that wet dressing with 3% YIN-CARE LOTION has a better therapeutic effect on infective diseases, which is consistent with results of laboratory.

YIN-CARE LOTION is made from various Chinese medicinal herbs, such as Cortex Phellodendri, Radix Sophorae Flavescens, Fructus Chidii and Rhizoma Atractylodis. It has the following functions: antipyretic, antidote, antifebril and contra itching. Among them, Cortex Phellodendri for external use can promote absorption of subcutaneous exudate and has intensive antipruritic effect with Radix sophorae Flavescens and Fructus Chidii. In addition, Phizoma leads to sedation and relieve swelling and pain. Radix Sophorae Flavescens not only counteract histamine, but also increase CAMP in cells and prevent mast cell from degranulation and releasing hypersensitivity medium, so that it can relieve swelling and redness, exudation and pruritic skin injury easily. Cortex Phellodendri decocted in water has a strong inhibitory effect on breath of bacteria and synthesis of RNA, with Rhizoma Atractylodis and Fructus Cnidii, it has a greater bacteriostatic effect on bacteria, virus and fungi. Then it has a more significant effect on infective skin injury. It shows that acute inflammatory symptoms are due to hypersensitivity and inflection, all the best indications of wet dressing with 3% YIN-CARE LOTION.

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Table1

Therapeutic Effect of 3% SINPRO LOTION for the treatment of some skin diseases

Desease	NO.of cases	Cured	Sighificant Effective	Effective	Ineffection	Effective rate
Eczema	99	34	40	25	0	74.7
Infantile eczema	28	8	11	9	0	67.9
Contact dermatitis	60	26	25	9	0	85.0
Fixed rdrug eruption	79	43	36	0	0	100.0
Erosive balanoposthitis	10	6	4	0	0	100.0
Allergic dermatitis	21	7	9	5	0	76.2
Herpes zoster	33	8	9	12	4	51.5
Erysipelas	13	3	5	3	2	61.5
Varicose syndrome	6	2	2	2	0	66.7
Impetigo herpetifomis	17	8	7	2	0	88.2
N.Gonorrhoeae	81	24	13	27	17	45.7
Pointed condyloma	42	8	7	12	15	35.7
Crural tinea infection	98	20	41	37	0	62.2

Table 2 Comparison of Therapeutic Effect between therapeutic group and boric acid group

Disease	Therapeutic group						Boric acid group					
	No. of cases	Cured	Significant effective	Effective	Ineffective	Effective rate	No. of cases	Cured	Significant effective	Effective	Ineffective	Effective rate
Eczema	99	34	40	25	0	75.8	15	8	5	2	0	86.7
Infantile eczema	28	8	11	9	0	67.9	10	3	3	4	0	60.0
Contact dermatitis	60	26	25	9	0	85	15	7	6	2	0	86.7
Fixed drug eruption	79	43	36	0	0	100.0	10	5	5	0	0	100.0
Total	266	111	112	43	0	83.8	50	23	19	8	0	84.0

Table 3 Comparison of Therapeutic Effect between therapeutic group and furacin group

Disease	Therapeutic group						Furacin group					
	No. of cases	Cured	Significant effective	Effective	Ineffective	Effective rate	No. of cases	Cured	Significant effective	Effective	Ineffective	Effective rate
Impetigo herpetiformis	17	8	7	2	0	88.2	10	2	2	4	2	40.0
N. Gonorrhoeae	81	24	13	27	17	45.4	15	0	3	7	5	20.0
Pointed condyloma	42	8	7	12	15	35.7	10	0	1	3	6	10.0
Crural tinea infection	98	20	41	37	0	62.2	15	6	4	3	2	66.7
Total	238	60	68	78	32	53.8	50	8	10	17	15	36.0