Cordran® (Flurandrenolide, USP)

INDICATIONS AND USAGE

Cordran is indicated for the relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses.

CONTRAINDICATIONS

Topical corticosteroids are contraindicated in patients with a history of hypersensitivity to any of the components of these preparations.

PRECAUTIONS

General—Systemic absorption of topical corticosteroids has produced reversible hypothalamic-pituitary-adrenal (HPA) axis suppression, manifestations of Cushing's syndrome, hyperglycemia, and glucosuria in some patients. Conditions that augment systemic absorption include application of the more potent steroids, use over large surface areas, prolonged use, and the addition of occlusive dressings. Therefore, patients receiving a large dose of a potent topical steroid applied to a large surface area or under an occlusive dressing should be evaluated periodically for evidence of HPA axis suppression using urinary-free cortisol and ACTH stimulation tests. If HPA axis suppression is noted, an attempt should be made to withdraw the drug, to reduce the frequency of application, or to substitute a less potent steroid.

Recovery of HPA axis function is generally prompt and complete upon discontinuation of the drug. Infrequently, signs and symptoms of steroid withdrawal may occur, so that supplemental systemic corticosteroids are required.

Pediatric patients may absorb proportionately larger amounts of topical corticosteroids and thus be more susceptible to systemic toxicity (see Pediatric Use under PRECAUTIONS).

It is not known whether topical administration of corticosteroids could result in sufficient systemic absorption to produce detectable quantities in breast milk. Systemically administered corticosteroids are secreted into breast milk in quantities likely to have a deleterious effect on the infant. Nevertheless, breast-feeding should be instituted. If a favorable response does not occur promptly, Cordran should be discontinued and appropriate therapy instituted. If irritation develops, topical corticosteroids should be discontinued and appropriate therapy instituted. In the presence of dermatologic infections, the use of an appropriate antifungal or antibacterial agent should be instituted. Laboratory Tests—The following tests may be helpful in evaluating the HPA axis suppression:

1. This medication is to be used as directed by the physician. It is for external use only. Avoid contact with the eyes.

2. Patients should be advised not to use this medication for any disorder other than that for which it was prescribed.

3. The treated skin area should not be bandaged or otherwise covered or wrapped to be occlusive unless the patient is directed to do so by the physician.

4. Patients should report any signs of local adverse reactions, especially under occlusive dressing.

5. Parents of pediatric patients should be advised not to use tight-fitting diapers or plastic pants on a patient being treated in the diaper area, because these garments may constitute occlusive dressings.

Cordran® (Flurandrenolide, USP) is a potent corticosteroid intended for topical use. Flurandrenolide occurs as a white to off-white, fluffy, crystalline powder and is odorless. Flurandrenolide is practically insoluble in water and in ether. One g dissolves in 72 mL of alcohol and in 10 mL of chloroform. The molecular weight of flurandrenolide is 436.52.

Each g of Cordran® SP Cream (Flurandrenolide Cream, USP) contains 0.5 mg (1.145 μmol; 0.05%) or 0.25 mg (0.57 μmol; 0.025%) flurandrenolide in an emulsified base composed of cetyl alcohol, citric acid, mineral oil, polyoxy 40 stearate, propylene glycol, sodium citrate, stearic acid, and purified water.

Each g of Cordran® Ointment (Flurandrenolide Ointment, USP) contains 0.5 mg (1.145 μmol; 0.05%) or 0.25 mg (0.57 μmol; 0.025%) flurandrenolide in a base composed of white wax, cetyl alcohol, sorbitan sesquioleate, and white petrolatum.

CLINICAL PHARMACOLOGY

Cordran is primarily effective because of its anti-inflammatory, antipruritic, and vasoconstrictive actions. The mechanism of the anti-inflammatory activity of topical corticosteroids is not completely understood. Various laboratory methods, including vasoconstrictor assays, are used to compare and predict potencies and/or clinical efficacies of the topical corticosteroids. There is some evidence to suggest that a recognizable correlation exists between vasoconstrictor potency and therapeutic efficacy in man. Corticosteroids with anti-inflammatory activity may stabilize cellular and lysosomal membranes. There is also the suggestion that the effect on the membranes of lysosomes prevents the release of proteolytic enzymes and, thus, plays a part in reducing inflammation.

Topical corticosteroids can be absorbed from normal intact skin. Inflammation and/or other disease processes in the skin increase percutaneous absorption. Occlusive dressings substantially increase the percutaneous absorption of topical corticosteroids. Thus, occlusive dressings may be a valuable therapeutic adjunct for treating resistant dermatoses (see DOSAGE AND ADMINISTRATION).

Cordran® (Flurandrenolide, USP)

DESCRIPTION

Cordran® (Flurandrenolide, USP) is a potent corticosteroid intended for topical use. Flurandrenolide occurs as a white to off-white, fluffy, crystalline powder and is odorless. Flurandrenolide is practically insoluble in water and in ether. One g dissolves in 72 mL of alcohol and in 10 mL of chloroform. The molecular weight of flurandrenolide is 436.52.

Each g of Cordran® SP Cream (Flurandrenolide Cream, USP) contains 0.5 mg (1.145 μmol; 0.05%) or 0.25 mg (0.57 μmol; 0.025%) flurandrenolide in an emulsified base composed of cetyl alcohol, citric acid, mineral oil, polyoxy 40 stearate, propylene glycol, sodium citrate, stearic acid, and purified water.

Each g of Cordran® Ointment (Flurandrenolide Ointment, USP) contains 0.5 mg (1.145 μmol; 0.05%) or 0.25 mg (0.57 μmol; 0.025%) flurandrenolide in a base composed of white wax, cetyl alcohol, sorbitan sesquioleate, and white petrolatum.

CLINICAL PHARMACOLOGY

Cordran is primarily effective because of its anti-inflammatory, antipruritic, and vasoconstrictive actions. The mechanism of the anti-inflammatory activity of topical corticosteroids is not completely understood. Various laboratory methods, including vasoconstrictor assays, are used to compare and predict potencies and/or clinical efficacies of the topical corticosteroids. There is some evidence to suggest that a recognizable correlation exists between vasoconstrictor potency and therapeutic efficacy in man. Corticosteroids with anti-inflammatory activity may stabilize cellular and lysosomal membranes. There is also the suggestion that the effect on the membranes of lysosomes prevents the release of proteolytic enzymes and, thus, plays a part in reducing inflammation.

Topical corticosteroids can be absorbed from normal intact skin. Inflammation and/or other disease processes in the skin increase percutaneous absorption. Occlusive dressings substantially increase the percutaneous absorption of topical corticosteroids. Thus, occlusive dressings may be a valuable therapeutic adjunct for treating resistant dermatoses (see DOSAGE AND ADMINISTRATION).
Occlusive Dressings Have the Following Advantages—

Uses

1. Rub Cordran SP Cream or Cordran Ointment thoroughly into the affected areas.  
2. Medication is concentrated on the areas of skin where it is most needed.  
3. This method of administration frequently is more effective in very resistant dermatoses than is the conventional application of Cordran.

Precautions to Be Observed in Therapy With Occlusive Dressings—Treatment should be continued for at least a few days after clearing of the lesions. If it is stopped too soon, a relapse may occur. Reinstitution of treatment frequently will cause remission.

Because of the increased hazard of secondary infection from resistant strains of staphylococci among hospitalized patients, it is suggested that the use of occlusive plastic films for corticosteroid therapy in such cases be restricted.

Generally, occlusive dressings should not be used on weeping, or exudative, lesions. When large areas of the body are covered, thermal homeostasis may be impaired. If elevation of body temperature occurs, use of the occlusive dressing should be discontinued.

Rarely, a patient may develop miliaria, folliculitis, or a sensitivity to either the particular dressing material or a combination of Cordran and the occlusive dressing. If miliaria or folliculitis occurs, use of the occlusive dressing should be discontinued. Treatment by institution with a corticosteroid such as Cordran may be continued. If the sensitivity is caused by the particular material of the dressing, substitution of a different material may be tried.

Warnings—Some plastic films are readily flammable. Patients should be cautioned against the use of any such material.

When plastic films are used on pediatric patients, the persons caring for the patients must be reminded of the danger of suffocation if the plastic material accidentally covers the face.

OVERDOSAGE

Topically applied corticosteroids can be absorbed in sufficient amounts to produce systemic effects (see PRECAUTIONS).

DOSAGE AND ADMINISTRATION

Topical corticosteroids are generally applied to the affected area as a thin film 1 to 4 times daily, depending on the severity of the condition.

For moist lesions, a small quantity of the cream should be rubbed gently into the affected areas 2 or 3 times a day. For dry, scaly lesions, the ointment is applied as a thin film to affected areas 2 or 3 times daily. Occlusive dressings may be used for the management of psoriasis or recalcitrant conditions. If an infection develops, the use of occlusive dressings should be discontinued and appropriate antimicrobial therapy instituted.

Use With Occlusive Dressings

The technique of occlusive dressings (for management of psoriasis and other persistent dermatoses) is as follows:

1. Remove as much as possible of the superficial scaling before applying Cordran SP Cream or Cordran Ointment.
2. Rub Cordran SP Cream or Cordran Ointment thoroughly into the affected areas.
3. Cover with an occlusive plastic film, such as polyethylene, Saran™ Wrap, or Handi-Wrap®. (When Cordran SP Cream is used, added moisture may be provided by placing a slightly dampened cloth or gauze over the lesion before the plastic film is applied.)
4. Seal the edges to adjacent normal skin with tape or hold in place by a gauze wrapping.
5. For convenience, the patient may remove the dressing during the day. The dressing should then be reapplied each night.
6. For daytime therapy, the condition may be treated by rubbing Cordran SP Cream or Cordran Ointment sparsely into the affected areas.
7. In more resistant cases, leaving the dressing in place for 3 to 4 days at a time may result in a better response.
8. Thin polyethylene gloves are suitable for treatment of the hands and fingers; plastic garment bags may be utilized for treating lesions on the trunk or buttocks. A tight shower cap is useful in treating lesions on the scalp.

Occlusive dressings have the following advantages—

1. Percutaneous penetration of the corticosteroid is enhanced.

2. Administration of topical corticosteroids includes linear growth retardation, delayed weight gain, low plasma cortisol levels, and absence of response to ACTH stimulation. Manifestations of intracranial hypertension include bulging fontanelles, headaches, and bilateral papilledema.

Administration of topical corticosteroids to pediatric patients should be limited to the least amount compatible with an effective therapeutic regimen. Chronic corticosteroid therapy may interfere with the growth and development of pediatric patients.

ADVERSE REACTIONS

The following local adverse reactions are reported infrequently with topical corticosteroids but may occur more frequently with the use of occlusive dressings. These reactions are listed in an approximate decreasing order of occurrence:

Burning
Irritation
Dryness
Folliculitis
Hypertrichosis
Acneform eruptions
Hyperpigmentation
Purpuric dermatitis
Allergic contact dermatitis
The following may occur more frequently with occlusive dressings:
Maceration of the skin
Secondary infection
Skin atrophy
Striae
Miliaria

OVERDOSAGE

Topically applied corticosteroids can be absorbed in sufficient amounts to produce systemic effects (see PRECAUTIONS).

DOSAGE AND ADMINISTRATION

Topical corticosteroids are generally applied to the affected area as a thin film 1 to 4 times daily, depending on the severity of the condition.

For moist lesions, a small quantity of the cream should be rubbed gently into the affected areas 2 or 3 times a day. For dry, scaly lesions, the ointment is applied as a thin film to affected areas 2 or 3 times daily. Occlusive dressings may be used for the management of psoriasis or recalcitrant conditions. If an infection develops, the use of occlusive dressings should be discontinued and appropriate antimicrobial therapy instituted.

Use With Occlusive Dressings

The technique of occlusive dressings (for management of psoriasis and other persistent dermatoses) is as follows:

1. Remove as much as possible of the superficial scaling before applying Cordran SP Cream or Cordran Ointment. Soaking in a bath will help soften the scales and permit easier removal by brushing, picking, or rubbing.
2. Rub Cordran SP Cream or Cordran Ointment thoroughly into the affected areas.
3. Cover with an occlusive plastic film, such as polyethylene, Saran™ Wrap, or Handi-Wrap®. (When Cordran SP Cream is used, added moisture may be provided by placing a slightly dampened cloth or gauze over the lesion before the plastic film is applied.)
4. Seal the edges to adjacent normal skin with tape or hold in place by a gauze wrapping.
5. For convenience, the patient may remove the dressing during the day. The dressing should then be reapplied each night.
6. For daytime therapy, the condition may be treated by rubbing Cordran SP Cream or Cordran Ointment sparsely into the affected areas.
7. In more resistant cases, leaving the dressing in place for 3 to 4 days at a time may result in a better response.
8. Thin polyethylene gloves are suitable for treatment of the hands and fingers; plastic garment bags may be utilized for treating lesions on the trunk or buttocks. A tight shower cap is useful in treating lesions on the scalp.

Occlusive dressings have the following advantages—

1. Percutaneous penetration of the corticosteroid is enhanced.

2. Medication is concentrated on the areas of skin where it is most needed.
3. This method of administration frequently is more effective in very resistant dermatoses than is the conventional application of Cordran.

Precautions to Be Observed in Therapy With Occlusive Dressings—Treatment should be continued for at least a few days after clearing of the lesions. If it is stopped too soon, a relapse may occur. Reinstitution of treatment frequently will cause remission.

Because of the increased hazard of secondary infection from resistant strains of staphylococci among hospitalized patients, it is suggested that the use of occlusive plastic films for corticosteroid therapy in such cases be restricted.

Generally, occlusive dressings should not be used on weeping, or exudative, lesions. When large areas of the body are covered, thermal homeostasis may be impaired. If elevation of body temperature occurs, use of the occlusive dressing should be discontinued.

Rarely, a patient may develop miliaria, folliculitis, or a sensitivity to either the particular dressing material or a combination of Cordran and the occlusive dressing. If miliaria or folliculitis occurs, use of the occlusive dressing should be discontinued. Treatment by institution with a corticosteroid such as Cordran may be continued. If the sensitivity is caused by the particular material of the dressing, substitution of a different material may be tried.

Warnings—Some plastic films are readily flammable. Patients should be cautioned against the use of any such material.

When plastic films are used on pediatric patients, the persons caring for the patients must be reminded of the danger of suffocation if the plastic material accidentally covers the face.

HOW SUPPLIED

Cream:
0.025%, 30 g, NDC 16110-024-30; 60 g, NDC 16110-034-60
0.05%, 15 g, NDC 16110-035-15; 30 g, NDC 16110-035-30; 60 g, NDC 16110-035-60

Ointment:
0.025%, 30 g, NDC 16110-024-30; 60 g, NDC 16110-024-60
0.05%, 15 g, NDC 16110-026-15; 30 g, NDC 16110-026-30; 60 g, NDC 16110-026-60

Store at controlled room temperature, 59°-86°F (15°-30°C).

Rx only

Literature revised February 2006.