

detergents. Treatment should be directed toward the avoidance of irritants and the use of protective gloves or clothing.

Allergic Contact Dermatitis ACD is a manifestation of delayed-type hypersensitivity mediated by memory T lymphocytes in the skin. Prior exposure to the offending agent is necessary to develop the hypersensitivity reaction, which may take as little as 12 h or as long as 72 h to develop. The most common cause of ACD is exposure to plants, especially to members of the family Anacardiaceae, including the genus *Toxicodendron*. Poison ivy, poison oak, and poison sumac are members of this genus and cause an allergic reaction marked by erythema, vesiculation, and severe pruritus. The eruption is often linear or angular, corresponding to areas where plants have touched the skin. The sensitizing antigen common to these plants is urushiol, an oleoresin containing the active ingredient pentadecylcatechol. The oleoresin may adhere to skin, clothing, tools, and pets, and contaminated articles may cause dermatitis even after prolonged storage. Blister fluid does not contain urushiol and is not capable of inducing skin eruption in exposed subjects.

TREATMENT

Contact Dermatitis

If contact dermatitis is suspected and an offending agent is identified and removed, the eruption will resolve. Usually, treatment with high-potency topical glucocorticoids is enough to relieve symptoms while the dermatitis runs its course. For patients who require systemic therapy, daily oral prednisone—beginning at 1 mg/kg, but usually ≤ 60 mg/d—is sufficient. The dose should be tapered over 2–3 weeks, and each daily dose should be taken in the morning with food.

Identification of a contact allergen can be a difficult and time-consuming task. ACD should be suspected in patients with dermatitis unresponsive to conventional therapy or with an unusual and patterned distribution. Patients should be questioned carefully regarding occupational exposures and topical medications. Common sensitizers include preservatives in topical preparations,