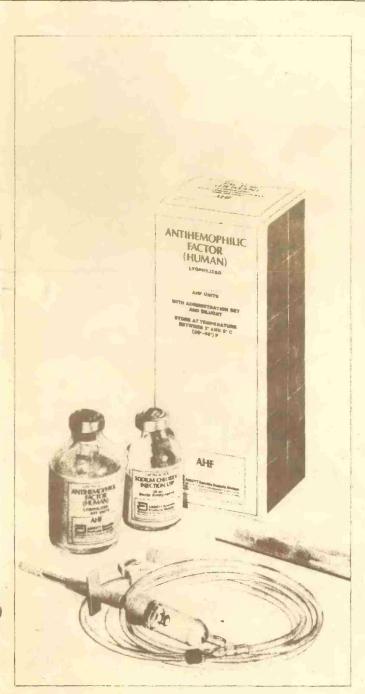
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From Dr. Rugge Antihemophilic Factor (Human)

LYOPHILIZED

with Diluent and Disposable Administration Set





Description

AHF is a stable dried concentrate (Factor VIII AHF AHG) to be used in the treatment of Hemilian A (classical hemophilia). Easily reconstitute (error administered without the side effects occassociated with the use of plasma It can red incidence and severity of bleeding epixodes. With proper medical supervision and tracing even sutpatient prophylactic treatment is now available

Features

Stability

One year when stored in refrigerated conditions (2"-8°C).

Safety

There are no known contraindications (see full disclosure).

Labeled dosage

Each bottle is labeled with the number of Factor VIII units it contains. There are a minimum of 200 AHF units in every bottle.

Complete and ready to use

Each package contains all the necessary infusion components for reconstitution and administration.

How Supplied

List No. 6-5151 - One each: Vial ANTIHEMOPHILIC FACTOR (HUMAN) AHF Lyophilized, 25 ml vial of Sodium Chloride Injection USP, administration set, 21-G x 11/2" IV needle, airway cannula, and double ended reconstitution needle.

Fluid pathway, needle and airway cannula are sterile and non-pyrogenic.





AHF

ANTIHEMOPHILIC FACTOR (HUMAN) AHF from ABBOTT Scientific Products Division is a stable dried concentrate of Antihemophilic Factor (Factor VIII, AHF, AHG) to be used in the therapy of Hemophilia A (Classical Hemophilia)

Hemophilia A is a hereditary disorder of blood coagulation associated with a deficiency of antihemophilic factor, a constituent of normal plasma required for blood clotting. Since this abnormality is associated with a rare sex linked recessive mutant gene, the disease occurs almost exclusively in males. Individuals with this disorder tend to bleed profusely following minibility disorder usually in their joints, muscles, or internal procass. Surgery on such patients is impossible without temporary correction of their abnormality with specialized transfusions.

Until recently, the medical management of patients with Hemophilia was hased on thrend facement of the blood component they lack by mansfusions of fresh blood, fresh plasma, or fresh triver plasma.

The usefulness of fresh blood or plasma is limited by the need to administer large volumes of either in order to raise the concentration of arthrenophilic factor in the blood to levels reduired to achieve and maintain hemostasis. The repeated intusions of large volumes of plasma often lead to inculatory difficulties with threatening hear factore as a result of hypoproteinemia. There is also associated kidney dysfunction with albuminuma, edema, and recention of electrolytes.

Because of the limitations of blood and plasma transfusions, many investigators have sought to separate and concentrate antihemorphilic globulin (Factor VIII) from plasma in a form suitable for substitution therapy of Hemophilia A patients

Concentrated antihemophics globulin of various degrees of purification prepared by inethods of Cohn, Wagner and Brinkhous. Blomback, van Creveld, Pavlovsky, Djerassi and others has been used with clinical success.

In 1954, Brinkhous noted that partially purified antihemophilic globulin (Factor VIII) was not soluble in cold media and concluded that it was a cryoglobulin.

Pool recently explored the solubility properties of this fraction of human plasma to prepare antihemophilic globulin concentrates for clinical use. The plastic bag closed system, developed by Klein and Djerassi, was utilized to extract antihemophilic globulin from plasma simply and efficiently by controlled freezing and thawing. The cryoprecipitate derived from plasma by Pool's technique has higher Factor VIII activity per unit of protein than Cohn's Fraction I. Its use requires the infusion of less protein and fluid than does the administration of fresh or frozen plasma for the treatment of Classical Hemophilia.

ANTIHEMOPHILIC FACTOR (HUMAN) AHF from ABBOTT Scientific Products Division is a highly potent source of antihemophilic factor activity. Since it is a purified cryoglobulin, only relatively small amounts of protein need be given to a patient in order to increase his level of antihemophilic factor. Since this product is of human origin, no danger of species antigenicity is associated with its use. Blood group isoagglutinins are not present in significant amounts. This product is easily reconstituted in the sodium chloride diluent and can be administered rapidly without the side effects occasionally associated with the administration of plasma.

The dry product is stable when stored according to label and can be administered with assurance concerning the dose requirement. The material is highly effective in arresting bleeding due to deficiency of Factor VIII. Whenever needed ANTIHEMOPHILIC FACTOR (HUMAN) AHF can be used to increase the Factor VIII levels of patients to normal or near normal values without overloading their circulatory system.

Dosage

Each bottle of ANTIHEMOPHILIC FACTOR (HUMAN) AHF is labeled with the total units of AHF contained therein. One AHF unit is defined as the activity present in one ml of fresh pooled human plasma.

The dosage of ANTIHEMOPHILIC FACTOR (HUMAN) AHF must be individualized according to the weight of the patient, the severity of the bleeding, the severity of his blood condition, the source of bleeding, inhibitors present (if any), and other lactors as determined by the managing physician or surgeon. Laboratory aids, whenever available, should be used to supprement chinical observations for guiding therap.

Digrassi suggested the following dosage schedule for various clinical conditions based on the experience with substitution therapy in a large pediatric hemophilia service.

1. Joint Hemorrhages

If no aspiration is carried out in units per kilogram body weight twice dail, at eight to twelve hours for two to three days, if aspiration is carried out, in units nor kilogram just inor to the aspiration with retreated similar dose six to out hours later. An additional influence of them is per kilogram body weight is given the tolena no day, if the patient cannot say off his feet for four to the additional days one of sion of 16 units per kilogram, once a may is given to three to build days.

2. Muscle Hemorrhages

- a. More depend about no issues of extremities or such (non-vital areas). (ii) induper kilogram once a day for two or three days.
- Massive nersormaises is non-vital areas: Two
 jobs, one, at 10 hour intervals, first and second day;
 actinification a day for two more days (10 units per
 lictogram for each infusion).
- c. Muscle homerthanes in vicinity of vital organs in a kild bright authoritine at allopsops muscle, etc.) because her kildgram followed by 10 units per kildgram every eight hours, larger dives at not arrested. Maintain schedule for forty-eight hours and continue with half the dose for another forty eight hours.

3. Overt Bleeding (cut lips, tongue, cheeks, various cuts and wounds)

20 anits per katogram. Continue with 10 units per kilogram - very six to eight hours for twenty-lour again. Then excey twelve hours for three to four days

4. Massive Wounds

Green until bleeding stors and maintain with 20 units per keogram every aught hours. Obtain levels and maintain a menimum of 40% AHC level in patient.

5. Surgery

i evels of 40% AHG or more the needed. Thirty to forty units real kalogram or troop weight are needed prior to surgery foliowed by 20 units per kilogram every eight hours after surgery. This should be done with laboratory control, and the dosage should be increased in the AHG level is less than 30% just prior to the next inclusion. The post-infusion level should be around 60% AHG. (If has been suggested by McMittan that the AHG level be raised to 30-40% of normal for at least ten days postoperatively.)

For each unit of ANTIHEMOPHILIC FACTOR (HUMAN) AHF administered per kilogram of body weight a two per cent rise in Factor VIII activity was observed by Abidgaard, et al. Djerassi states that the dosage of ABBOTT Scientific's ANTIHEMOPHILIC FACTOR (HUMAN) AHF can be used interchangeably with glycine precipitated AHF. This linear doseresponse relationship may be shown by the formular

Expected AHF increase (in percent of "normal") = 2.0 x units administered

body weight (in kg.)

The clinical effect on the patient is the most important factor in the evaluation of adequacy of therapy. It may thus be necessary to administer more ANTIHEMOPHILIC FACTOR (HUMAN) AHE than would be estimated in order to obtain the desired result. The dosage requirements of AHF when inhibitors are present are extremely variable, and the dosage can only be determined by the clinical response. Occasionally, low increments of AHF in patients with AHF inhibitors may suffice to produce satisfactory clinical responses.

Side Effects

Reactions observed are mild and rare, namely: mild chill, nausea, or stinging in the vein proximal to the transfusion.

Contraindications

There are no known contraindications to ANTIHEMOPHILIC FACTOR (HUMAN) AHF

Reconstitution and Administration

- Warm sodium chloride diluent and concentrate bottles to room temperature (but not above 37°C).
- Remove aluminum band and dust cap from the diluent bottle.
- Swab the exposed rubber surface with alcohol. (Do not leave any excess cleaning agent in indentation on stopper.)
- Remove all covering from one end of a double ended needle. Insert this exposed end of the needle through the depression in center of the stopper in the bottle of diluent.
- Remove aluminum band and dust cap from the concentrate bottle.
- Swab the exposed rubber surface with alcohol.
- 7. Remove plastic cap from the upper end of the double-ended needle now seated in the stopper of the diluent bottle. Hold concentrate bottle in one hand, invert the bottle of diluent in the other hand, and push the exposed end of the needle through the depression in the center of the stopper, making certain that the diluent is always above the bottle of concentrate. There should be enough vacuum in the bottle to draw in all the diluent.
- 8 Disconnect the two bottles by removing needle from concentrate bottle stopper. Then gently agitate or rotate concentrate bottle until all concentrate is dissolved. (Do not shake vigorcusty.) Reconstitution requires fifteen to twenty minutes.
- Remove cover from airway needle and insert airway needle into concentrate bottle stopper.
- Close clamp on administration set.
- Renewe cover from stopper puncture needle
 of set (near drip chamber) and insert needle
 into concentrate bottle stopper. Suspend bottle
 in inverted position.
- 12. Squeeze and release drip chamber once to allow it to partially fill with liquid.
- 13 Remove needle adapter cover and insert adapter into hub of administration needle.
- Open control clamp and fill set with liquid from bottle. Close clamp and insert administration needle into vein.
- Discard administration equipment after use.

How Supplied: List No. 6-5151

One each: Vial ANTIHEMOPHILIC FACTOR (HUMAN) AHF Lyophilized, 25 ml vial of Sodium Chioride Injection USP, administration set, 21-G x 1½" IV needle, airway cannula, and double ended reconstitution needle.

Fluid pathway, needle, airway cannula and reconstitution needle are sterile and non-pyrogenic.

Storage

ANTIHEMOPHILIC FACTOR (HUMAN) AHF should be stored at temperatures between 2°C and 8°C (36°F to 46°F).

Caution: Federal (USA) law prohibits dispensing without a prescription.

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician or other licensed practitioner.

Single dose container for intravenous administration. Discard unused contents.

Discard administration equipment after single use. This product is prepared from units of human plasma which have been lested and found non-reactive for Hepatilis Associated Antigen. However, it is recognized that presently available methods are not sensitive enough to detect all units of potential infectious plasma and the risk of transmitting hepatitis is still present.

Bibliography available on request



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