SOUTH AFRICAN VACCINE PRODUCERS (Ptv) Ltd

1 Modderfontein Road, Edenivale, Gauteng • PO Box 28999, Sandringham 2131, South Africa • Fax (011) 386-6016 • Tel. (011) 386-6000

SAIMR POLYVALENT SNAKE ANTISERUM / ANTIVENOM

DESCRIPTIVE NAME

POLYVALENT SNAKE BITE ANTISERUM / ANTIVENOM (Refined equine serum globulins: Bitis, Dendroaspis, Hemachatus, Naja) REGISTRATION NUMBER:

T517 (Act 101/1965)

PHARMACOLOGICAL CLASSIFICATION:

A30.1 ANTIBODIES SCHEDIJI ING STATUS

COMPOSITION

Pepsin-refined immunoglobulins, prepared from the serum of horses that have been hyper-immunised with snake venoms. The venoms of the following snakes are used a antigens in the preparation of SAIMR Polyveient Snake Antivenom: Bits anistans (cuff adder), B. gabonica (gaboon adder), Hemachstus haemachatus (rinkhals), Dendrosspis angusticeps (green memba), D. jamesoni (Jamesoni's memba), D. polylepis (black mamba), Naja nivea (Dispe cobra), N. melanoleuce (forest cobra), N. annulliera (snoutec cobra), N. mossembice (Mozambique spitting cebral

Contains: < 0.35% w/v Cresol as preservative IDENTIFICATION

A light yellow to light brown clear liquid

PHARMACOLOGICAL ACTION

Neutralises the venom of specific snakes

INDICATIONS: For the treatment of snake bite as follows:

Africa. The serum is ineffective AND SHOULD NOT BE USED in treatment of bittes caused by the being adder (Bitts stropped, the horned adder (Bi adder (Bits comuta), the night adders (Causus spp.), the burrowing asp (Atractages spp.), back for ged snakes (boomslang, vine snake) or any other snake CONTRA-INDICATIONS

Significant allergic disease, or a history of an adverse reaction to the injection of horse serum, is a

DOSAGE AND DIRECTIONS FOR USE:

Everyone bittern by a snake should be referred to a hospital or doctor whether he is treated in the field or not. Treatment with serum should take place under medical supervision whenever possible.

The serum is effective against the venoms of the rinkhals, mambas and all the cobres and vipers fadders; likely to cause life-threatening envenomation in Southern and Centra

relative contra-indication in the absence of adrenain pre-medication

BEFORE INJECTING, CARRY OUT THE INITIAL FIRST AID PROCEDURES AS DETAILED BELOW:

THE PRESSURE BANDAGE:

THIS IS CONTRA-INDICATED IN BITES BY CYTOTOXIC SNAKES, e.g. adders, salerto snakes and spitting cobras. In all other cases of snake bite, A broad bands portently a drope bandage, should be applied as soon as possible around the limb; overing the bitter area and as much of the limb as possible. This may be supplemented with other material, e.g., a strip form off a shirt it should be applied as boilthy so one would third a sprained with the third in the limb as possible by spinitrip with other material, e.g., a strip form off a shirt it should be applied as boilthy so one would third a sprained white. wood, cardboard, rolled newspaper, or any available rigid material and the patient should move as little as possible

ARTERIAL TOURNIQUET

The use of a fourniquet is not recommended, except under special circumstances. It should never be used in viper (adder) bites, but it will delay general poisoning by the The blad of a Quintiples is now recommendation, is grapher priorie Space accurate entering in a parameter of the space plants, but a graph priorie Space priories space priories space accurate entering a space priories space priorie tourniquet may allow more venom to either the general circulation, which may approvide the patient's symptoms. It should be discarded allocether as soon as an adequate dose of antivenim has been injected intravenously. It should not be applied when more than an hour has elapsed since the bite

SNAKE VENOMS:

These can be classified as follows:

 Heemotoxic (boomslang, vine snake), causing bleeding due to a coagulation defect Cytotoxic (adders, spitting cobras and stiletto snakes), cause extensive painful swalling around the site of the bite with possible tissue destruction 3. Neurotoxic (cobras, mambas) causing paralysis of the muscles including those required for swallowing & respiration.

GENERAL TREATMENT:

Keep the patient quiet and comfortably warm and avoid unnecessary movement. Small amounts of water, to a or coffee may be given if the patient has no difficulty with beathing and swallowing. Artificial reparation may become precessary if bitter by a neurotoxic snake. All patients should be taken to a hospital or doctor as quickly as possible whether they have received setum or not. Incisions are not recommended. Suction may be applied to the tang marks. A mechanical suction device is enclosed in each Snakebite Outfit. Cover the area with a storile dressing or clean handkershief or tirous A patient bitten by an unidentified snake should be observed for 24 hours.

SERUM TREATMENT:

Any injection of serum carries a risk and as far as possible should be left to a doctor, preferably in a hospital, who would be able to inject the serum by the most effective route, i.e. directly into the blood stream. It may be necessary, however, for a tay person to inject serum, in which case the procedure would be as follows:

The tip of the ampoule should be snapped off (see instruction enclosed with ampoule) and the contents drawn into a sterile syringe. The skin should be sterilized with the swab supplied in the Snakebite Outfit or any other suitable disinfectant, but time should not be wasted looking for one.

The needle of the syringe is inserted under the skin or preferably into a muscle and the contents of one ampoule slowly expelled. The needle is then withdrawn, the syringe refilled and the contents given in the same way at another site. When the patient is in a critical state and particularly when the snake is a cobra or a mamba, the serum should be injected intravenously but this route should be used **only** by trained medical personnel. The initial dose should be at least the contents of two ampoules, but the condition of the patient may demand the injection of up to four or five times as much. The serum should be at room temperature when given intravenously, as a slow bolus injection or as an infusion diluted in 50 – 100 ml of normal saline or 5 % dextrose water over 5 + 10 minutes, with the patient recumbent during the injection, and for at least one hour afterwards. Local injection around the bite is not recommended. The dose of serum required depends on the amount of venom injected by the snake, not on the size of the victim and should not be reduced in the case of children.

SPITTING SNAKES:

The rinkhals and the spitting cobras may cause a severe inflammatory reaction if their venom enters the eyes. Wash liberally with water, milk or any non-irritant fluid. If the reaction is severe and fails to respond to washing, SAIMR Polyvalent Antivenom diluted with water (1:5 to 1:10) may be used as an eye-wash.

Sou die venien van die rinkhals en die spoegkobra in die oë beland mag dit erge inflammatoriese re

SWANGERSKAP EN BORSVOEDING

Geen. Behandel simptomaties. Sien serum sielde

Echis carmatus/ocellatus (saagskubadder) Antivenien

Swangerskap en borsvoeding is nie 'n kontra-indikasie vir apfi

Geen betekenlsvolle geneesmiddelinteraksies word verwag om voor te kom nie.

SIDE EFFECTS AND SPECIAL PRECAUTIONS:

The injection of even highly purified serum carries a risk of allegic/hypersensitivity reactions. In a particular and promote provided and characterized by cardiovascular collapse, laryngeal oedema and bronchospasm within 1 – 15 minutes (occasionally up to 6 hours) of administration. The risk of this type of reaction in a healthy individual is slight, but those with an allergic disposition, in particular a history of asthma or infantile eczema, or previous allergic reactions to horse serum, should not receive the antivenom unless it is absolutely necessary. Antivenom should be administrated with extreme caution in these cases. Treatment of anaphylaxis includes the administration of adrenaline and support of vital functions. Depending on the severity of previous allergic reactions, some authorities advocate the prophylactic use of intramuscular adrenaline (1:1000 solution or 1 mg/ml) in a dose of 0,25 ± 0,5 ml in adults and 0,1 ml in children. However the potential risk of cardiovascular complications due to adrenaline administration should be taken into consideration.

Serum sickness is dose related and may occur about five days to three weeks (usually 7 – 12 days) after injection. Serum sickness is characterized by unticaria, poly-arthritis or peri-articular oedema, mild fever and lymphadenopathy. Management includes the use of antihistamines and steroids. After administration of antivenom, the patient should be kept under observation for 6 hours and adrenaline kept in readiness for emergency user it is important to note that premedication with antihistamines and corticosteroids does not prevent an acute anaphylactic reaction, but may decrease the incidence or severity of allergic manifestations,

such as urticaria.

Test dose: Skin testing or conjunctival testing for the possibility of hypersensitivity, by injection or drops of diluted or undiluted antivenom, is not recommended since it is unreliable in predicting reactions to the main dose.

PREGNANCY AND LACTATION:

Pregnancy and lactation are not contra-indicated to antivenom use. Consider risk versus benefit,

INTERACTIONS:

No significant drug interactions are anticipated with the use of antivenoms.

BEKENDE SIMPTOME VAN OORDOSERING EN BESONDERHEDE VAN BEHANDEL THAMTABIT TO SRALDITARA DAR SPACOTANY OR SMOTTANY OR

None. Treat symptomatically. See also serum sickness.

PRESENTATION:

1. Packed as individual 10 ml ampoules

2. A Snakebite Outfit containing two 10 ml ampoules, pressure bandage, tourniquet, syringe and needle, suction syringe, antiseptic swab. 9 ml ampoules, pressure bandage, tourniquet, syringe and needle, suction syringe, antiseptic swab. 9 ml ampoules, pressure bandage, tourniquet, syringe and needle, suction syringe, antiseptic swab. 9 ml ampoules, pressure bandage, tourniquet, syringe and needle, suction syringe, antiseptic swab. 9 ml ampoules, pressure bandage, tourniquet, syringe and needle, suction syringe, antiseptic swab. 9 ml ampoules, pressure bandage, tourniquet, syringe and needle, suction syringe, antiseptic swab. 9 ml ampoules, pressure bandage, tourniquet, syringe and needle, suction syringe, antiseptic swab. 9 ml ampoules, pressure bandage, tourniquet, syringe and needle, suction syringe, antiseptic swab.

STORAGE DIRECTIONS:

Store at 2 °C to 8 °C. Freezing of the antivenom will not affect its potency, but may cause the ampoule to crack by november either policy of the antivenom will not affect its potency, but may cause the ampoule to crack by november either policy of the antivenom will not affect its potency, but may cause the ampoule to crack by november either policy of the antivenom will not affect its potency, but may cause the ampoule to crack by november either policy of the antivenom will not affect its potency.

OTHER ANTIVENOMS PRODUCED BY SOUTH AFRICAN VACCINE PRODUCERS (PTY) LTD: DAV MADIFIA HTUOS RUBIN SERIOR PRODUCED BY SOUTH AFRICAN VACCINE PRODUCERS (PTY) LTD: DAV MADIFIA HTUOS RUBIN SERIOR PRODUCERS (PTY) LTD: DAV MADIFIA HTUO

Boomslang Antivenom
Echis carinatus/ocellatus (saw-scaled viper) Antivenom
Scorpion Antivenom (Parabuthus species)
Spider Antivenom (Latrodectus species)

NAME AND BUSINESS ADDRESS OF APPLICANT:

SOUTH AFRICAN VACCINE PRODUCERS (PTY) LTD, 1 Modderfontein Rd, Edenvale, Gauteng. PO Box 28999, Sandringham 2131.

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