

PRESCRIBING INFORMATION

**D-CORT**<sup>®</sup>  
(Dexamethasone Sodium Phosphate Injection USP)

I.M./I.V INJECTION  
† PV-01352  
PAKISTAN DEFENCE FORCES

ڈی-کارت  
آئی ایم / آئی وی انجکشن

**Composition:**

Each ml contains Dexamethasone Sodium Phosphate USP equivalent to Dexamethasone Phosphate: 4mg

**Description:**

D-cort injection is a synthetic glucocorticoid used primarily for its anti-inflammatory effects. It is among the most potent glucocorticoids, having about 25 to 30 times the anti-inflammatory activity of hydrocortisone. In addition to its anti-inflammatory properties, D-Cort has been shown to be effective in the management of nausea and vomiting secondary to cancer chemotherapy.

**Indications:**

- \* Conditions where the anti-inflammatory and immune suppressive effects of the corticosteroids are desirable especially in acute emergencies and during intensive care.
- \* For the management of nausea and vomiting associated with chemotherapy.
- \* Shock due to Hemorrhage, Trauma, or after Surgery.
- \* Cerebral edema.
- \* For the management of patients with recurrent or inoperable brain tumors.
- \* Neonatal respiratory distress syndrome (antenatal prophylaxis).
- \* For acute attack of bronchial asthma and in combination with bronchodilators.

**Dosage and Administration:**

The dosage requirements are variable and must be individualized on the basis of the disease under treatment and the response of the patient. If the drug is to be stopped after it has been given for more than a few days, it is recommended that it should be withdrawn gradually rather than stopped abruptly. In emergencies, the usual dose is 1ml to 5ml (4mg to 20mg) I.V. or I. M. (in shock use only the I. V. route). The total daily dosage usually need not to exceed 20ml (80mg) even in severe conditions. D-Cort injection can be used directly intravenously or intramuscularly or can also be mixed with conventional I.V. fluids.

**Dosage in various conditions:**

**Shock during medical emergencies**

The usual dosage is 2-6 mg/kg body weight given as a single intravenous injection and can be repeated in 2 to 6 hours, if symptoms persist.

**Antiemetic prophylaxis during chemotherapy**

D-Cort injection 8-20mg (2-5ml) should be infused intravenously 5-15 minutes prior to chemotherapy.

**Cerebral edema**

Initially D-Cort injection 10mg (2.5ml) followed by 4mg (1ml) intramuscularly every six hours until symptoms of cerebral edema subsides and the dosage is subsequently reduced over the period of 5 to 7 days.

**For the management of patients with recurrent or inoperable brain tumor**

Initially D-Cort injection 10mg (2.5ml) I.V. followed by 4mg (1ml) I.M. 4 to 6 hourly for ten days.

**Side-Effects:**

**Fluid and electrolyte disturbances**

Sodium retention, fluid retention, hypokalemic alkalosis, hypertension.

**Gastrointestinal**

Peptic ulcer with possible perforation and hemorrhage, pancreatitis, ulcerative esophagitis.

**Neurological**

Convulsions, increased intracranial pressure with papilloedema (pseudotumor cerebri) usually after treatment, vertigo, headache, psychic disturbances.

**Ophthalmic**

Posterior subcapsular cataracts, increased intraocular pressure, glaucoma.

**Musculoskeletal**

Muscle weakness, steroid myopathy, osteoporosis.

**Dermatological**

Delayed wound healing.

**Endocrine**

Menstrual irregularities, development of cushingoid state, suppression of growth in children, secondary adrenocortical and pituitary unresponsiveness, decreased carbohydrate tolerance, manifestation of latent diabetes mellitus, increased requirements for insulin or oral hypoglycemic agents in diabetes, hirsutism.

Acetylsalicylic acid should be used cautiously in conjunction with corticosteroid in hypoprothrombinemia.

Phenytoin, phenobarbital, ephedrine and rifampicin enhance the metabolic clearance of corticosteroids.

Prothrombin time should be checked frequently in patients who are receiving corticosteroids and coumarin anticoagulants.

**Precautions:**

**To be used with great caution in recent MI.**

Drug induced secondary adrenocortical insufficiency may occur after rapid withdrawal.

**Use of D-Cort injection in active tuberculosis should be restricted.**

There may be enhanced effect of corticosteroids in patients with hypothyroidism and in those with cirrhosis.

Patients who are on drugs which suppress the immune system are more susceptible to infection than the healthy individuals.

**Use during pregnancy and lactation**

To be used as directed by the registered medical practitioner only.

**Storage:**

Store at temperature 15 °C to 30 °C away from light.

مقدار اور طریقہ استعمال

**Presentation:**

D-Cort injection is supplied in pack of 25 x 1ml.

ڈی-کارت انجکشن کی مقدار مختلف بیماریوں میں مختلف ہے۔ ڈی-کارت انجکشن

عام طور پر 5 ملی لیٹر (4 سے 20 ملی گرام) آئی ایم/آئی وی دیا جاسکتا ہے۔

ڈی-کارت انجکشن ایک دن میں زیادہ سے زیادہ خوراک 20 ملی لیٹر یا 80 ملی گرام

ہے۔ ڈی-کارت انجکشن کو اچانک بند نہیں کرنا چاہیے اسکو آہستہ آہستہ ختم کرنا چاہیے۔

اسٹوریج:

15 سے 30 ڈگری سینٹی گریڈ درجہ حرارت پر روشنی سے بچا کر رکھیں۔

**brookes**

Manufactured by:  
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