

LIDOCAINE INJECTION BP 2%

DESCRIPTION:

Lidocaine is a local anaesthetic of the amide group. Lidocaine Hydrochloride Injection BP is for use in infiltration anaesthesia, intravenous regional anaesthesia and nerve blocks.

COMPOSITION:

Each ml contains: Lidocaine Hydrochloride BP ... 2 %

DOSAGE:

The method of administration of lidocaine varies according to the procedure (infiltration anaesthesia, intravenous regional anaesthesia or nerve block).

The dosage should be adjusted according to the response of the patient and the site of administration. The lowest concentration and smallest dose producing the required effect should be given.

The maximum dose for healthy adults should not exceed 200 mg [or 500mg if given in solutions containing adrenaline (epinephrine)].

Children and elderly or debilitated patients require smaller doses, commensurate with age & physical status.

SIDE EFFECT:

In common with other local anaesthetics, adverse reactions to Lidocaine are rare and are usually the result of raised plasma concentrations due to accidental intravascular injection, excessive dosage or rapid absorption from highly vascular areas, or may result from a hypersensitivity, idiosyncrasy or diminished tolerance on the part of the patient. Systemic toxicity mainly involves the central nervous system and/or the cardiovascular system.

Immune system disorders

Hypersensitivity reactions (allergic or anaphylactoid reactions, anaphylactic shock)

Nervous & Psychiatric disorders

Neurological signs of systemic toxicity include dizziness or light-headedness, nervousness, tremor, circumoral paraesthesia, tongue numbness, drowsiness, convulsions, coma.

Eye disorders

Blurred vision, diplopia and transient amaurosis may be signs of lidocaine toxicity.

Ear and labyrinth disorders

Tinnitus, hyperacusis

Cardiac and vascular disorders

Cardiovascular reactions are depressant and may manifest as hypotension, bradycardia, myocardial depression, cardiac arrhythmias and possibly cardiac arrest or circulatory collapse.

Respiratory, thoracic or mediastinal disorders

Dyspnoea, bronchospasm, respiratory depression, respiratory arrest

Gastrointestinal disorders

Nausea, vomiting

Skin & subcutaneous tissue disorders

Rash, urticaria, oedema (including angioedema, face oedema)

Blood and the lymphatic system disorders

Methaemoglobinaemia.

PRECAUTION:

As with other local anaesthetics, Lidocaine should be used with caution in patients with epilepsy, myasthenia gravis, cardiac conduction disturbances, congestive heart failure, bradycardia, severe shock, impaired respiratory function or impaired renal function with a creatinine clearance of less than 10mL/minute.

PRESENTATION:

Lidocaine Injection is available in 20 ml vial.

