Neostigmine Methylsulfate Injection BP 2.5 mg in 1ml
Neostigmine Methylsulfate

1. What Neostigmine Methylsulfate Injection is and what it is used for

Neostigmine injection belongs to a group of medicines used to:
• Treat abnormally tired and weak muscles (myasthenia gravis).
• Reverse the effects of muscle relaxants.
• Improve movement in the small intestine.
• Reduce urine retention after surgical procedures.

2. What you need to know before you are given Neostigmine Methylsulfate Injection

Do not use Neostigmine Methylsulfate Injection if you:
• are allergic to neostigmine or any of the other ingredients in this medicine (listed in section 6).
• have an intestinal obstruction or cannot urinate.
• have peritonitis (an infection or inflammation of the outer layer of your stomach or intestines).
• have a condition where your bowel may no longer be functioning.
• you are receiving certain muscle relaxants (e.g. Suxamethonium).

Warning and precautions

Talk to your doctor or nurse before being given the injection if you have:
• asthma
• epilepsy
• a slow pulse
• any heart disease
• vagotonia (you may suffer from sweating, constipation and involuntary movements)
• an overactive thyroid gland
• a stomach ulcer
• Parkinson’s Disease
• an anastomosis (an opening created by surgery, trauma, or disease) in your intestine
• a controlled low sodium diet (this medicinal product contains approximately 3.54 mg sodium per ml)

4. Possible side effects

Like all medicines, this medicine can cause side effects, although not everybody gets them.

Contact a doctor right away if you notice any of the following symptoms - you may need urgent medical treatment:
• Swelling of the face, lips or throat which makes it difficult to swallow or breathe, rash, itching, hives and dizziness. This could be a sign of an angioedema or a severe allergic reaction (frequency not known, cannot be estimated from the available data).

The following information is intended for healthcare professionals only:

PREPARATION GUIDE:

Neostigmine Methylsulfate Injection BP 2.5 mg in 1ml

Please refer to the Summary of Product Characteristics for full prescribing and other information.

Therapeutic indications
• Indications: Myasthenia Gravis, antagonist to non-depolarizing neuromuscular blockade, Paralytic Ileus, Post-operative Urinary Retention; Paroxysmal Supraventricular Tachycardia.

Administration
Neostigmine Methylsulfate may be administered by IV, IM or SC injection.

Incompatibilities
Neostigmine may be diluted with Water for Injections. Stability of the injection cannot be guaranteed once it has been diluted.
The following side effects have also been reported:

- feel or actually be sick
- produce more saliva than usual
- produce more tears than usual
- suffer from bronchial spasm and increased bronchial secretion
- suffer from diarrhoea and stomach cramps
- have constricted (pin-point) pupils in your eye
- suffer from urinary incontinence (you pass urine when you do not mean to)
- suffer from excessive sweating
- have a slow pulse
- suffer from hypotension (blood pressure that is much lower than usual)

If you experience any of the side effects listed this may mean that you have been given an overdose and you should tell a doctor immediately.

Reporting of side effects

If you get any side effects, talk to your doctor, pharmacist or nurse: This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the Yellow Card Scheme at: www.mhra.gov.uk/yellowcard or search for MHRA Yellow Card in the Google Play or Apple App Store. By reporting side effects you can help provide more information on the safety of this medicine.

5. How to store Neostigmine Methylsulfate Injection

Your injection will be stored at less than 25°C and protected from light. The nurse or doctor will check that the injection is not past its expiry date before giving you the injection.

6. Contents of the pack and other information

What Neostigmine Methylsulfate Injection contains

The active ingredient is Neostigmine Methylsulfate. Each 1 ml of solution contains 2.5 mg neostigmine methylsulfate. The other ingredients are Sodium Chloride, Sterile Water for Injections.

What Neostigmine Methylsulfate Injection looks like and contents of the pack

Neostigmine Methylsulfate Injection is a clear colourless solution in clear glass ampoules containing 2.5 mg neostigmine methylsulfate in 1 ml. 10 ampoules are supplied in each carton.