Pentazogon
(Pentazocine) Injection BP

CHEMISTRY
Pentazogon (brand of Pentazocine) is benzomorphan derivative. Chemically, Pentazocine is 1, 2, 3, 4, 5, 6- hexahydro-6,11-dimethyl-3-(3-methyl but-2-enyl)-2,6-methano-3-benzazocin-8-ol.

COMPOSITION
Pentazogon Injection:
Each ml contains:
Pentazocine 30mg
Finished Product Specs: BP
High Potency Analgesic
For IM, IV or SC use

PHARMACOLOGICAL ACTION
The pattern of C.N.S effect produced by Pentazogon is generally similar to that of Morphine like opioids including analgesia and sedation. Pentazogon is a potent analgesic and in terms of analgesic effect, 30mg Pentazocine administered parenterally is approximately equal to 10mg morphine.

ABSORPTION
Pentazogon can be administered orally, intravenously, intramuscularly and subcutaneously. Pentazogon is well absorbed from intramuscular and subcutaneous sites. Concentrations in plasma coincide closely with the onset, duration and intensity of analgesia. Analgesia occurs within 2 to 3 minutes after intravenous injection and within 15 to 20 minutes after intramuscular or subcutaneous injection. The duration of analgesic effect is between 3 to 4 hours.

INDICATIONS
Pentazogon is indicated for the fast relief of moderate to severe pain.

The prominent indications are stated below:

Medical: Chronic & severe pain in various medical conditions.

Surgical: Pain due to trauma and various orthopaedic procedures, orthopaedic manipulations, pain associated with urologic conditions or procedures, Pre and Postoperative pain as an adjunct to surgical anaesthesia.

Obstetrics: Pain in Labor & Post Partum.

DOSAGE AND ADMINISTRATION
Pentazogon Injection:
Adult dose is 30mg by intramuscular, subcutaneous or intravenous route. This dosage may be repeated every 3 to 4 hours. Doses in excess of 30mg intravenously or 60mg intramuscularly or subcutaneously are not recommended. Total daily dosage should not exceed 360mg. Patients in Labor: 30mg single intramuscular injection is most adequate and routinely administered. Intravenous 20mg is adequate in labor when contractions become regular and this dose may be given two or three times at 2 to 3 hours interval, if required. Pentazogon should be administered with caution in women delivering pre-mature infants.

SIDE-EFFECTS
The most commonly reported untoward effects are sedation, sweating and dizziness or light headedness, nausea also occurs but vomiting is less

common than with morphine. Due to sedation ambulatory patients should not operate machinery or unnecessarily expose themselves to hazards. The infrequently encountered side effects include visual blurring, alteration in blood pressure, insomnia, euphoria, dyspnoea, depression and constipation. The rarely reported effects include respiratory depression, urinary retention, abdominal distress and paresthesia.

PRECAUTIONS

The safety of Pentazogon is not established in pregnancy except in labor. Pentazogon should be administered in other stages of pregnancy only when the physician considers its administration very essential. Pentazogon should be administered with caution in women delivering premature infants. In patients of head injury extreme caution is required since the drug elevates cerebrospinal fluid pressure & may obscure the clinical course therefore Pentazogon should be administered only if it is considered very essential.

With the use of Pentazogon there is a rare possibility of respiratory depression which should be considered during treatment of patients of bronchial asthma. Pentazogon should be administered with caution and in reduced dosage to patients with respiratory depression, obstructive respiratory conditions or cyanosis and in such instances adequate oxygenation should be maintained. Caution is required in patients of Myocardial Infarction having nausea or vomiting and for patients undergoing surgery of biliary tract. Although Pentazogon does not cause renal or hepatic impairment, the drug should be used with caution in patients with renal or hepatic impairment. Intramuscular injection should be preferred when multiple injections are required and in such instances subcutaneous route should be avoided.

AVAILABILITY

Pentazogon Injection:
10 Ampoules x 1ml

INSTRUCTIONS

As directed by the physician.
Store below 30°C.
Protect from heat & light.
Keep all medicines out of the reach of children.
To be sold on the prescription of a registered medical practitioner only.

Manufactured by :
Indus Pharma (Pvt.) Ltd.
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Karachi-74900, Pakistan.

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