For the use of an Anaesthesiologist attached to Hospitals, Institutions and Nursing homes only.

Propofol Intravenous Infusion (1% w/v)

IIII PROVIVE 1%

NAME OF THE MEDICINAL PRODUCT

PROVIVE™ 1% 10-mg/ml emulsion for injection or infu

QUALITATIVE AND QUANTITATIVE COMPOSITION

Propofol 10 mg/ml

PHARMACEUTICAL FORM

CLINICAL PARTICULARS

Therapeutic indications

PROVIVE™ 1% is a short-acting intravenous ansesthetic agent suitable for induction and maintenance of general anaesthesia.

PROVIVE™ 1% may also be used for sedation of ventilated patients receiving intensive care.

PROVIVE™ 1% may also be used for sedation for surgical and diagnostic procedures

Posology and method of administration

Induction of General Anaesthesia

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www.rrates of administration should be used (approximately 2 miss. In patients of ASA Crades 3 and 4, B. Elder/Patients In the Commission of the Commission

C. Children

FOUVE*** 14% is not recommended for induction of an asset besis in children aged less than 1 month. When used to induce ansasthesis in children, it is recommended that PROVINE*** 15% begiven slowly until the clinical signs show the created of ansasthesis. The does should be adjusted for use and the companies of the

Maintenance of General Anaesthesia

A. Adults
Anaeshhesia can be maintained by administering PROVIVE™ 1% either by continuous infusion or by repeat dous injections to prevent the clinical signs of light anaesthesia. Recovery from anaesthesia is typically rapid and it is therefore important to maintain PROVIVE™ 1% administration until the end of the procedure.

The required rate of administration varies considerably between patients, but rates in the region of 4 to 12 mg/kg/h usually maintain satisfactory anaesthesia.

If a technique involving repeat bolus injections is used, increments of 25 mg (2.5 ml) to 50 mg (5.0 ml) may be given according to clinical need.

B. Elderly Patients

When PROVIVE™ 1% is used for maintenance of anaesthesia the rate of infusion should be reduced. Patients of ASA grades 3 and 4 will require further reductions in dose and dose rate. Rapid bolus administration (single or repeated) should not be used in the elderly as this may lead to cartiorespiratory depression.

C. Children

PROVIVE™ 1% is not recommended for maintenance of anaesthesia in children less than 3 years of

Anaesthesia can be maintained by administering PROVIVE™ 1% by infusion or repeat bolus injection to prevent the clinical signs of light anaesthesia. The required rate of administration varies considerably between patients, but rates in the region of 9 to 15 mg/kg/in usually achieve satisfactory.

Sedation During Intensive Care

A. Adults

A collection of the control of the c

When PROVIVE"* 15's is used for sedation the rate of infusion should also be reduced. Patients of ASA grades 3 and 4 will require further reductions in dose and dose rate. Rapid bolus administration (single or repeated) should not be used in the elderly as this may lead to cardiorespiratory depression. C. Children

PROVIVE™ 1% is contraindicated for the sedation of ventilated children aged 16 years or younger

ion for Surgical and Diagnostic Procedures

To provide seatation for suspical and diagnostic procedures, rates of administration should be individualised and interest co-incide regionse. Most galanter will require 0.5 to 1 mg/kg over 1.0 5 minutes to conset of addition. Maintenance of seaton may be accomplished by thirting PROVICE*** 1% initiation to the desired level Maintenance of seaton may be accomplished by thirting PROVICE*** 1% initiation to the desired level of seatation - most patients will require 1.5 to 4.5 mg/kg/h. In addition 10 the influsion, bobbs of the contract o

When PROVIVE™ 1% is used for sedation the rate of infusion should be reduced. Patients of ASA grades 3 and 4 will require further reductions in dose and dose rate. Rapid bolus administration (single or repeated) should not be used in the elderly as this may lead to cardiorespiratory depression.

PROVIVE™ 1% is not recommended for sedation in children, as safety and efficacy have not been

PROVIVE™ 1% has no analgesic properties es and therefore supplementary analgesic agents are

PROVIVE** 1% can be used for infusion undiluted from glass containers or diluted with 5% Destrose (Intravenous Infusion BP) only, in glass infusion bottles. Dilutions, which must not exceed 1 in 5 (2 mg propoble per mg) should be prepared assptically immediately before administration and must be used within 5 bous of preparation.

It is recommended that, when using diluted PROVIVE™ 1%, the volume of 5% Dextrose removed from the influsion bag during the dilution process is totally replaced in volume by PROVIVE™ 1% emulsion. (See "Dilution and Co-administration" table below).

The dilution may be used with a variety of infusion control techniques, but a giving set used alone will not avoid the risk of accidental uncontrolled infusion of large volumes of diluted PROVIDET* 1%. A burstle, drop counter or volumetric pump must be included in the infusion line. The risk of uncontrolled

When PROVIVE™ 1% is used undituted to maintain anaesthesia, it is recommended that equipment such as syringe pumps or volumetric Intusion pumps should always be used to control infusion rates. PROVIVE™ 1% may be administered via a Y-piece close to the Injection site into Intusions of the

5% Intravenous Infusion B.P.

m Chloride 0.9% Intravenous Infusion B.P. extrose 4% with Sodium Chloride 0.18% Int

or to reduce pain on initial injection, PROVIVE™ 1% may be mixed with preservative-free the injection 0.5% or 1%. (See *Dilution and Co-administration* table below).

Dilution and Coadministration of PROVIVE™ 1% with Other Drugs or Infusion Fluids (See also 'Additional Precautions' Section)

Technique	Diluent	Freparation	Frecautions
Pre-mixing.	Dextrose 5% Intravenous Infusion	Mix 1 part of PROVIVE™ 15 with up to 4 parts of Detritipes 5%; Intravenous infusion B P in either PVC bags it is recommended that PVC bags it is recommended that dilution be prepared by withdrawing a volume of infusion fluid and replacing it with an equal volume of PROVIVE™ 15¢.	Prepare aseptically immediately before administration. The mixture is stable for up to 6 hours.
	Lidocaine hydrochloride injection (0.5% or 1% without preservatives).	Mix 20 parts of PROVIVE™ 1% with up to 1 part of either 0.5% or 1% Lidocaine hydrochloride injection.	Prepare mixture aseptically immediately prior to administration. Use for Induction only.
	Alfentanil injection (500 microgram/ml).	Mix PROVIVE™ 1% with Altentanil injection in a ratio of 20:1 to 50:1 v/v.	Prepare mixture aseptically; use within 6 hours of preparation.
Co-administration via a Y-piece connector.	Dextrose 5% intravenous infusion	Co-administer via a Y-piece connector.	Place the Y-piece connector close to the injection site. As above
	Sodium chloride 0.9% intravenous infusion		
	Dextrose 4% with sodium chloride 0.18% intravenous	As above	As above

PROVIVE™ 1% is contraindicated in patients with a known hypersensitivity to propofol or any of the

excipaers.

PROOVYET** 1% is contraindicated for sedation in intensive care of patients of 16 years of age or younger (See 4.4 Special warnings and procautions for use).

PROOVYET** 45, contains soy a oil and should not be used in patients who are hypersensitive to peanut

Special warnings and precautions for use

PROVIVET** 1% should be given by those trained in anaesthesia or, where appropriate, doctors train in the care of patients in Intensive Care. Patients should be constantly monitored and facilities tenance of a patient airway, artificial ventilation, oxygen enrichment and other resuscitative person conducting the diagnostic or surgical procedure.

When PROVIVE™ 1% is administered for sedation for surgical and diagnostic procedures patients should be continually monitored for early signs of hypotension, airway obstruction and oxygen desaturation

desaluration.

As with other sedative agents, when PROVIVE™ 1% is used for sedation during operative procedures, modurate patient movements may occur. During procedures requiring immobility these movements may be hazardous to the operative site.

As with other intravenous anaesthetic and sedative agents, patients should be instructed to acknowled before the administration of PROVIVE™ 1%.

FROVIVE™ 1% should be used with caution when used to sedatis patients undergoing some procedures where spontaneous movements are participarly undestrables, such as ophthalmic

As with other intravenous sections ago, in a way in a series of the particularity undesirable, such as ophthamic surgery.

As with other intravenous sections ago, in a when PROVIVE** 15 is given along with northal nervous system depressants, such as potent analysates, the seather effect may be intendified and the possibility of server respiratory or cardiovascular depression should be considered. Unting botal satinfinisation for operative procedures, externe caution should be carciadred. Unting botal satinfinisation for operative procedures, externe caution should be exercised in patients with acut patimonary insufficiency or respiratory depression, should be exercised in patients with acut patimonary insufficiency or respiratory depressant drugs administered parenterally, severe respiratory and cardiovascular analgeaics will result in accontration of their sections effects. When PROVIVE** 15 is combined with contrality depressant drugs administered parenterally, severe respiratory and cardiovascular depression may occur. It is recommended that PROVIVE** 15 is combined with other intendiate products and other families and the combined of the satisfies and the dose should be carefully thrated to the patients response (See Section Interaction with other medician products and other families and the satisfies of th

anisotic series, very strately the late of PROVIVET 1s, may be allocated with the development of a time. The may may not be precised by a period of weekel threes. Although recovery is goundance, superposed carn of an unconscious pestime should be administered. When PROVIVET 1s, a deministered of an epileptic polisis, there may be a risk of convulsion. When PROVIVET 1s, a deministered of an epileptic polisis, there may be a risk of convulsion. When PROVIVET 1s, a deministered of an epileptic polisis, there may be a risk of convulsion. The risk of relative vagal overanchiny may be increased because PROVIVET 1s, lacks vagificated, respiratory, renal or hepatic impairment or in hyporoleamic, elderly or debilitated patients. The risk of relative vagal overanchiny may be increased because PROVIVET 1s, lacks vagificated with reports of brady-cardia (occasional) protound and also asystole, are supposed to the protour of th

PROVINE™ 1% contains no antimicrobial preservatives and supports growth of miscrogramiers. When PROVINE™ 1% is to be astroined, it must not stem a sepsibility into actinitie prings or print set immediately after opening the ampoule or breaking the viat seal. Administration must commence without delay, Assigns must be maintained for both PROVINE™ 1% and Intaion equipment throughout the Influsion period. Any drugs or fluids added to the PROVINE™ 1% line must be administed not be the cannula site. PROVINE™ 1% must not be administed to be the Cannula site. PROVINE™ 1% must not be administed to a line.

microbiological filter.

PROVIVE™ 1% and any syringe containing PROVIVE™ 1% are for single use in an individual patient.
For use in long-term maintenance of anaesthesia or sedation in intensive care it its recommended that the infusion line and reservoir of PROVIVE™ 1% be discarded and replaced at regular intervals.

Interaction with other medicinal products and other forms of interaction

PROVIVE 1% has been used in association with spinal and epidural anaesthesia and with commonly Productive 1 is as benefit both association with a pain and to glocal an alterian result and with common pain and to glocal and assessment and with common pain and to glocal and assessment and with common pain and pain

Pregnancy and lactation

Prognancy
The safety of PROVIVE™ 1% during pregnancy has not been established. Therefore PROVIVE™ 1% hours of the used in pregnancy unless clearly necessary. PROVIVE™ 1% has been used, however, during termination of pregnancy in the first trimester.

PROVINE™ 1% crosses the placenta and may be associated with neonatal depression. It should not be used for obstetric anaesthesia unless clearly necessary.

Safety to the neonata has not been established following the use of PROVIVE™ 1% in mothers who are breast-feeding.

Effects on ability to drive and use machines
Patients should be advised that performance at skilled tasks, such as driving and operating
machinery, may be impaired for some time after general anaesthesia.

Undesirable effects

Very comm (>1/10)

(>1/100, <1/10)

(>1/1000, <1/100)

Rare (>1/10 000, <1/1000)

Officeration and a second of the process of the pro

mediastinal disorders: Gastrointestinal disorders:
Nervous system disorders:
General disorders and administration site conditions: Vascular disorders:

Nervous system disorders:

Hypotension st Bradycardia ^{ch} Transient aponea during Nausea and vomiting during ecovery phase leadache during recovery Thrombosis and phiebitis

pileptiform movements, notuding convulsions and

connective tissue disorders.

Gastrointestinal disorders: Injury, poisoning and procedural Renal and urinary disorders:

Immune system disorders

maintenance and recovery Rhabdomyolysis [®] Pancreatitis
Post-operative fever

Discolouration of urine following prolonged administration
Anaphylaxis may include
angloedema, bronchospasm,
erythema and hypotension
Sexual disinhibition

Cardiac disorders Pulmonary oedema Postoperative unconsci-

(1) May be minimised by using the larger veins of the forearm and antecubital fossa. With PROVIVE™
1% local pain can also be minimised by the co-administration of lidocaine.
(2) Occasionally, hypothesion may require use of intravenous fluids and reduction of the administration rated PROVIVE™ 1%.

ratio of PDOVIVE**15.

(3) Serious bandy-viduals are rare. There have been isolated reports of progression to asystole.

(4) Feliowing abrupt discontinuation of PDOVIVE**15 during intensive care.

(5) Way rare report of rhadbomopyles have been reserved where PROVIVE**15 has been given at doses greater than 4 mg/kg/hr for ICU sedation.

Pulminary orderns, hypotension, asystole, bandy-cardia, and convulsions, have been reported, in very time cases materiary single sing

Local
The local pain which may occur during the induction phase of PROVIVE™ 1% ansesthesia can be
minimised by the co-administration of Llocaline (See "Dosage and Administration") and by the use of
the larger wens of the forearm and restrictable flows. Thrombols and philotisis are rare. Accidental
clinical extraosation and animal studies showed minimal tasse reaction, intra-arterial injection in
entimes did not include local taises effects.

Accidental overdosage is likely to cause cardiorespiratory depression. Respiratory depression should be treated by artificial ventilation with oxygen. Cardiovascular depression would require lowering of the patient's head and, if severe, use of plasma expanders and pressor agents.

PHARMACOLOGICAL PROPERTIES

Phermacodynamic properties
Prophili C, 2-discoprojephand) is a dhort-ading general anaesthetic agent with a rapid onset of
action, its allower of the properties of the proper

clinical practice.

PMOVIVE™ 15- reduces cerebral blood flow, intracranial pressure and cerebral metabolism. The
reduction in intracranial pressure is greater in patients with an elevated baseline intracranial pressure.
Receivery from anneasthesis to usually rapid and clear headed with a tow incidence of headeache and

post-operative nausea and vomiting.
In general, there is less post-operative nausea and vomiting following anaesthesia with PROVIVE™
¹₹5 than following anaesthesia with inhalational agents. There is evidence that this may be related to a

PROVIVE™ 1% at the concentrations likely to occur clinically does not inhibit the synthesis of

Pharmacokinetic properties
The discine in propole on constructions following a bolus dose or following the termination of an infusion
can be described by a three compartment open model with very rapid distribution (half-life 2 to 4
minutes), rapid elemination (naf-life 30 to 00 minutes), and a dower final phase, representative of
redistribution of propolet from poorly pertused dissue.

Propolet is extensively distributed and rapidly cleared from the body (total body clearance 1.5 to 2
litres/minute). Clearance occurs by metabolic processes, mainly in the liver, to form inactive
consignates of propolet and its corresponding quinor, which neverteed in unine.

When PROVIYE™ 1% is used to maintain anaesthesis, blood concentrations asymptotically
approach the stack-pasts value for the given administration rale. The pharmacokinetics are linear
over the mecommended range of infusion rates of PROVIYE™ 1%.

Preclinical safety data
Propofol is a drug on which extensive clinical experience has been obtained.

PHARMACEUTICAL PARTICULARS

List of exciplents
Soyalean CRUSP
Eng Lischin
Robert Carrier Commission of the CRUSP
Water for injections BP
Incompatibilities
The fearonuscular blocking agents, atracurium and mivacurium should not be given through the Shelf life

her life
A months from the date of manufacturing,
pecial precautions for storage
tore below 25°C. Do not freeze,
eture and contents of container.
Type II Glass Vial of 10 mi, 20 mi & 50 ml.
Type II Glass Bottle of 100 mi

Special precautions for disposal and other handling In-use precautions
Containers should be shaken before use.

Any portion of the contents remaining after use should be discarded.

PROVIVE™ 4% should not be mixed prior to administration with injections or infusion fluids other than 5% Dextrose or Lidocaine Injection (See Section Administration)

PROVIVE™ 1% is a trademark, the property of the Claris Lifesciences Limited.

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THIS IS A MEDICAMENT

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Mediciament is a product which affects your health and its consumption contrary to instructions
us dangenous for you. Follow sticity, the doctor's prescription, the method of use and the
instructions of the pharmacist ship oscille the medicament.

- The doctor and the pharmacist are experts in medicines, their benefits and risks.

- De not by yourself inferrupt the period of resultient prescribed.

- Do not repeat the same prescription, without consulting your Doctor.

- Reps all medicaments out of the result of hidden.

Council of Arab Health Ministers, Union of Arab Pharmacists.

Manufactured by: Claris Chacharwadi-Vasana, Claris Lifesciences Limited Ahmedabad-382 213, India.