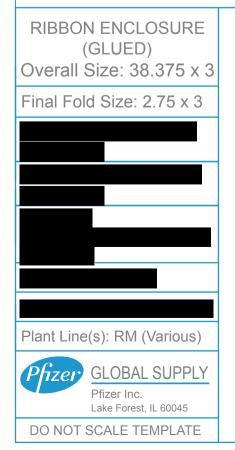
	Lidocaine Hydrochloride Injection, USP AQUEOUS SOLUTIONS FOR INFILTRATION AND NERVE BLOCK Ampul Plastic Multiple-dose Fliptop Vial Glass Teartop Vial Rx only		DESCRIPTION Lidocaine Hydrochloride Inject hydrochloride in water for injic characteristica as follows: Concentration mg/mL lidocaine HCI (anhyd.) mg/mL sodium chloride Multiple-dose vials contain 0. hydroxide and/or hydrochlorid SUPPLIED section for various Lidocaine is a local anesthetic Lidocaine is alocar hostentide dimethylphenyl)-acetamide r water. The molecular weight
	EN-5807		The semi-rigid vial used for t It is a copolymer of ethylene in animals according to USP vapor barrier to maintain the
1			
Drowsiness following the administration of lidocaine HCI is usually an early sign of a high blood level of the drug and may occur as a consequence of rapid absorption. Cardiovascular System Cardiovascular amanifestations are usually depressant and are characterized by bradycardia, hypotension, and cardiovascular collapse, which may lead to cardiac arrest. Allergic Allergic reactions are characterized by cutaneous lesions, urticaria, edema or anaphylactoid reactions. Allergic reactions may occur as a result of sensitivity either to local anesthetic agents or to the methylparaben used as a preservative in the multiple dose vials. Allergic reactions, induding anaphylactic reactions, may occur as a result of sensitivity to lidocaine, but are infrequent. If allergic reactions do cocur, they should be managed by conventional means. The detection of sensitivity by skin testing is of doubtful value. There have been no reports of cross sensitivity between lidocaine hydrochloride and puindine. Neurologic	and/or autonomic (sphincter control) deficit of some lower spinal segments with slow recovery (several months) or incomplete recovery have been reported in rare instances when caudal or lumbar epidural block has been attempted. Backache and headache have also been noted following use of these anesthetic procedures. There have been reported cases of permanent injury to extraocular muscles requiring surgical repair following retrobulbar administration. Hematologic Methemoglobinemia. OVENDOSAGE Acute emergencies from local anesthetics are generally related to high plasma levels encountered during therapeutic use of local anesthetics or to unintended subarachnoid injection of local anesthetic solution (see ADVENSE REACTIONS, WARNINGS, and PRECAUTIONS). Management of Local Anesthetic Emergencies The first consideration is prevention, best accomplished by careful and constant monitoring of cardiovascular and respiratory vidi signs and the patient's state of consciousness after each local	of intravenous fluids and, when appropriate, a vasopressor as directed by the clinical situation (e.g., ephedrine). If not treated immediately, both convulsions and cardiovascular depression can result in hypoxia, acidosis, bradycardia, arrhythmias and cardiac arrest. Underventilation or appea due to unintentional subarachnoid injection of local anesthetic solution may produce these messings and also lead to cardiac arrest if ventilatory support is not instituted. If cardiac arrest should occur, standard cardiopultmonary resuscitative measures should be instituted. Endotracheal intubation, employing drugs and techniques familiar to the clinician, may be indicated, after initial administration of oxygen by mask, if difficulty is encountered in the maintenance of a patent airway or if prolonged ventilatory support (assisted or controlled) is indicated. Dialysis is of negligible value in the treatment of acute overdosage with lidocaine HCI. The oral LD ₅₀ of lidocaine HCI in non-fasted female rats. DOSAGE AND ADDINISTRATION Table 1 (Recommended Dosage) summarizes the recommended volumes and concentrations of	be given. Dosages shot patients with cardiac a The onset of anesthesi proportional to the vol an increase in volume. onset of anesthesia, pr relaxation and increase concentration of Lidoc pressure when used in HCI is quite low, cautio since the incidence of agent injected. For intravenous region Hydrochloride Injection Epidural Anesthesia



<u>Notes:</u>

- 1. Component number to be 8 point OCRB Medium, black on white background.
- 2. Template is applicable for use with non-fiber tearing cold melt glue only.
- 3. Fold dimensions are vendor choice as long as final fold size is met and reference marks adn commodity number appears as shown on final fold.

P is a sterile, nonpyrogenic solution of lidocaine n for parenteral administration in various concentrations with 0.5% 1% 1.5% 2% 5 10 15 20 8 7 6.5 6 f methylparaben added as preservative. May contain sodium I for pH adjustment. The pH is 6.5 (5.0 to 7.0). See **HOW** and strengths. e amide type. nically designated 2-(diethylamino)-N-(2,6drochloride monohydrate, a white powder freely soluble in 2. It has the following structural formula:

→ NHCOCH₂N(C₂H₅)₂ • HCI • H₂O ic vials is fabricated from a specially formulated polyolefin. register that is the acted of the appendix formatice polytochil. The acted of the acted of the plastic has been confirmed by tests ical standards for plastic containers. The container requires no er drug concentration.

Mechanism of Action Lidocaine HCI stabilizes the neuronal membrane by inhibiting the ionic fluxes required for the initiation and conduction of impulses thereby effecting local anesthetic action.

CLINICAL PHARMACOLOGY

Hemodynamics Hemodynamics Excessive blood levels may cause changes in cardiac output, total peripheral resistance, and mean arterial pressure. With central neural blockade these changes may be attributable to block of autonomic fibers, a direct depressant effect of the local anesthetic agent on various components of the cardiovascular system, and/or the beta-adrenergic receptor stimulating action of epinephrine when present. The net effect is normally a modest hypotension when the recommended docance are on excended recommended dosages are not exceeded. Pharmacokinetics and Metabolism Pharmacokinetics and Metabolism Information derived from diverse formulations, concentrations and usages reveals that lidocaine HCI is completely absorbed following parenteral administration, its rate of absorption depending, for example, upon various factors such as the site of administration and the presence or absence of a vasoconstrictor agent. Except for intravascular administration, the highest blood levels are obtained following intercostal nerve block and the lowest after subcutaneous administration. The plasma binding of lidocaine HCl is dependent on drug concentration, and the fraction bound decreases with increasing concentration. At concentrations of the decreases with increasing concentrations. At concentrations of the decreases with increasing concentrations of the decrease the maximum of the decrease and the decrease decreases and the decreases a Lidocaine HCl crosses the blood-brain and placental barriers, presumably by passive diffusion.

Lidocaine HCl is metabolized rapidly by the liver, and metabolites and unchanged drug are executed by the kindneys. Biotransformation includes oxidative N-dealkylation, ring hydroxylation, deavage of the amide linkage, and conjugation. N-dealkylation, a major pathway of biotransformation, yields the metabolites monoethylgvionexplidide and glycinexplidide. The pharmacological/toxicological actions of these metabolites are similar to, but less potent than, those of lidocaine HCI. Approximately 90% of lidocaine HCI administered is excreted in the form of

The elimination half-life of lidocaine HCI following an intravenous bolus injection is typically 1.5 The elimination name of noroane etc. Jouwing an intervention body injection is typically its to 2 hours. Because of the rapid rate at which lidocaine HCI is metabolized, any condition that affects liver function may alter lidocaine HCI kinetics. The half-life may be prolonged two-fold or more in patients with liver dysfunction. Renal dysfunction does not affect lidocaine HCI kinetics but may increase the accumulation of metabolites. Factors such as acidosis and the use of CHS simulants and depressants affect the CNS levels of lidocaine HCI required to produce overt systemic effects. Objective adverse manifestations become increasingly apparent with increasing venous plasma levels above 6 mcg free base per mL. In the rhesus monkey arterial blood levels of 18 to 21 mcg/mL have been shown to be threshold for onvulsive activity.

INDICATIONS AND USAGE Lidocaine Hydrochloride Injection, USP is indicated for production of local or regional anesthesia by infiltration techniques such as percutaneous injection and intravenous regional anesthesia by peripheral nerve block techniques such as brachial plexus and intercostal and by central neural techniques such as lumbar and caudal epidural blocks, when the accepted procedures for these techniques as described in standard textbooks are observed. CONTRAINDICATIONS Lidocaine HCI is contraindicated in patients with a known history of hypersensitivity to local anesthetics of the amide type.

WARNINGS LIDOCAINE HYDROCHLORIDE INJECTION, FOR INFILTRATION AND NERVE BLOCK, SHOULD BE EUDCAINE HTDAVELTURIE INDELITION, FOR INTEL HAR IND AND NERVE BLOCK, SHOULD BE EMPLOYED ONLY BY CLINICAINS WHO ARE WELL VERSED IN DIAGNOSIS AND MANAGEMENT OF DOSE-RELATED TOXICITY AND OTHER ACUTE BMERGENCIES ITATA MIGHT ARISE FROM THE BLOCK TO BE EMPLOYED AND THEN ONLY AFTER ENSURING THE **IMMEDIATE** AVAILABILITY OF OXYGEN, OTHER RESUSCITATIVE DRUGS, CARDIOPULMONARY EQUIPMENT AND THE PERSONNEL NEEDED FOR PROPER MANAGEMENT OF TOXIC REACTIONS AND RELATED EMERGENCIES (see also

Methemoglobinemia Cases of methemoglobinemia have been reported in association with local anesthetic use. Cases of methemogioonnemia have been reported in association with local anesthetic use. Although all patients are at risk for methemoglobinemia, patients with glucose-6-phosphate dehydrogenase deficiency, congenital or idiopathic methemoglobinemia, cardiac or pulmonary compromise, infants under 6 months of age, and concurrent exposure to oxidizing agents or their metabolites are more susceptible to developing clinical manifestations of the condition. If local anesthetics must be used in these patients, close monitoring for symptoms and signs of methemoglobinemia in component of the condition. methemoglobinemia is recommended. Signs of methemoglobinemia may occur immediately or may be delayed some hours after exposure, and are characterized by a cyanotic skin discoloration and/or abnormal coloration of the blood. Methemoglobin levels may continue to rise; therefore, immediate treatment is required to avert more serious certain nervous system and cardiovascular adverse effects, including seizures, coma, arrhythmias, and death.

Discontinue lidocaine hydrochloride and any other oxidizing agents. Depending on the severity of the signs and symptoms, patients may respond to supportive grant etc. etc. and etc. and the signs and symptoms, patients may respond to supportive grant etc. etc. and etc. etc. and et Intra-articular infusions of local anesthetics following arthroscopic and other surgical procedures Intra-articular invisions of local anesthetics following arthroscopic and other surgical procedures is an unapproved use, and there have been post-marketing reports of chondrolysis in patients receiving such infusions. The majority of reported cases of chondrolysis have involved the shoulder joint; cases of gleno-humeral chondrolysis have been described in pediatric and adult patients following intra-articular infusions of local an architectis with an without epinephrine for periods of 48 to 72 hours. There is insufficient information to determine whether shorter infusion periods

are not associated with these findings. The time of onset of symptoms, such as joint pain, stiffness and loss of motion can be variable, but may begin as early as the 2nd month after surgery. Currently, there is no effective treatment for chondrolysis; patients who experienced chondrolysis

by a spiration. Note, however, that the absence of blood in the syringe does not guarantee that intravascular injection has been avoided. Local anesthetic solutions containing antimicrobial preservatives (e.g., methylparaben) should not be used for epidural or spinal anesthesia because the safety of these agents has not been established with regard to intrathecal injection, either intentional or accidental. Anaphylactic reactions may occur following administration of lidocaine hydrochloride (see ADVERSE REACTIONS). In the case of severe reaction, discontinue the use of the drug. PRECAUTIONS General The safety and effectiveness of lidocaine HCI depend on proper dosage, correct technique, adequate precations, and readiness for energencies. Standard textbooks should be consulted for specific techniques and precautions for various regional anesthetic procedures. Resuscitative equipment, oxygen, and other resuscitative drugs should be available for immediate use (see WARNINGS and ADVERSE REACTIONS). The lowest dosage that results in effective anesthesia should be used to avoid high plasma levels and serious adverse effects. Syringe aspirations should also be performed before and during each supplemental injection when the series of using indwelling catheter techniques. During the administration of epidural anesthesia, it is recommended that a test dose be administered initially and that the patient be monitored for central nervous system toxicity and cardiovascular toxicity, as well as for signs of unintended intrathecal administration, before proceeding. When clinical conditions permit, consideration should be given to employing local anesthetic solutions that contain epinephrine for the test dose because circulatory changes compatible with epinephrine may also serve as a warning sign of

Id be exercised when employing large volumes and concentration ects is directly proportional to the total dose of local anesthetic thesia, only the 50 mL single-dose vial containing 0.5% Lidocaine ould be used. e following available specific products of Lidocaine Hydrochloride 30 mL single-dose teartop vials 20 mL single-dose ampuls 10 mL single-dose ampuls ded specifically for epidural anesthesia, they may also be used rve block, provided they are employed as single dose units. These ic agent. je varies with the number of dermatomes Incated concentration per dermatome). al Block Werse experience sometimes observed following unintentional jid space, a test dose such as 2 to 3 mL of 1.5% lidocaine HCI should

be reduced for children and for the elderly and debilitated patients and for liver disease. he duration of anesthesia and the degree of muscular relaxation are e and concentration (i.e., total dose) of local anesthetic used. Thus, to concentration of anesthesia, provide a greater degree of muscular e segmental spread of anesthesia. However, increasing the volume and e Hydrochloride Injection will elderease the e Hydrochloride Injection will decrease the e Hydrochloride Injection may result in a more profound fall in blood dural anesthesia. Atthough the incidence of side effects with lidocaine hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised be and the taid dose of local anesthetic hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised when employing large volumes and concentrations, hould be exercised by the particine and and exercised after administration of eacher to stoge. nset of anesthesia after administration of each test dose. The rapid injection of a large volume faction and she had ministration or each cactoose. Fine upper injection of mage counter of Lidocaine Hydrochloride injection through the catheter should be avoided, and, when feasible, fractional doses should be administered. In the event of the known injection of a large volume of local anesthetic solution into the subarachnoid space, after suitable resuscitation and if the catheter is in place, consider attempting subaration of space, and subarate esolution and in the catheter is in place, consider acting the recovery of drug by draining a moderate amount of cerebrospinal fluid (such as 10 mL) through the epidural catheter. MAXIMUM RECOMMENDED DOSAGES NOTE: The products accompanying this insert do not contain epinephrine. Adults For normal healthy adults, the individual maximum recommended dose of lidocaine HCI

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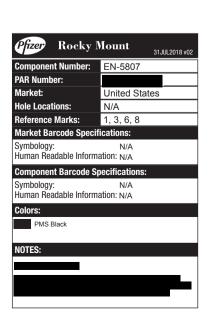
general it is recommended that the maximum total dose does not exceed 300 mg. For continuou

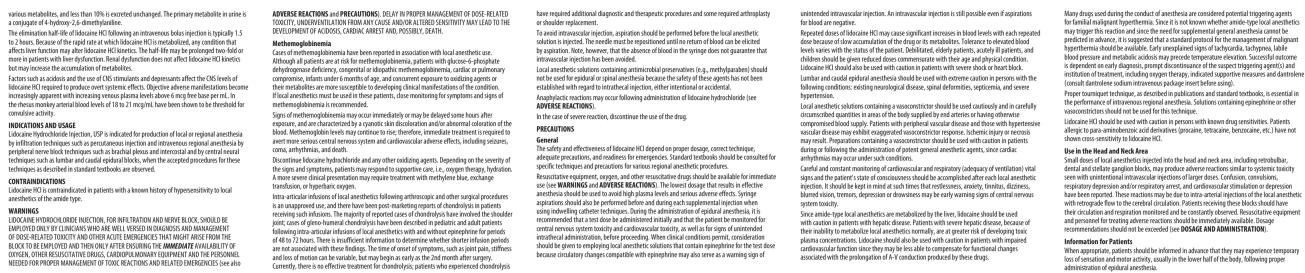
The maximum recommended dose per 90 minute period of lidocaine hydrochloride for paracervical block in obstetrical patients and non-obstetrical patients is 200 mg total. One-half of the total dose is usually administered to each side. Inject slowly, five minutes between sides (see also discussion of paracervical block in **PRECAUTIONS**). For intravenous regional anesthesia, the dose administered should not exceed 4 mg/kg in adults. **Children** It is difficult to recommend a maximum dose of any drug for children, since this varies as a function of age and weight. For children over 3 years of age who have a normal lean body mass and normal body development, the maximum dose is determined by the child's age and weight. For example, in a child of 5 years weighing 50 lbs the dose of lido cline HCI should not exceed 75 to 100 mg (1.5 to 2 mg/lb). The use of even more dilute solutions (i.e., 0.25 to 0.5%) and total dosages not to exceed 3 mg/kg (1.4 mg/lb) are recommended for induction of intravenous and total dosages not to exceed 3 mg/kg (1.4 mg/lb) are recommended for induction of intravenous and total dosages. regional anesthesia in children. In order to guard against systemic toxicity, the lowest effective concentration and lowest effective dose should be used at all times. In some cases it will be necessary to dilute available concentrations with 0.9% sodium chloride injection in order to obtain the required final concentration. NOTE: Particulation of the second sec are discolored and/or contain particulate matter should not be used.

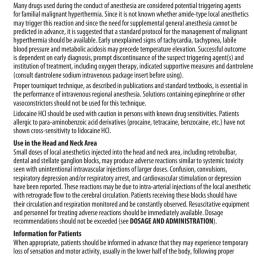
Table 1 Recommended Dosages								
Lid	Lidocaine Hydrochloride Injection, USP (without Epinephrine)							
Conc. (%)	Vol. (mL)	Total Dose (mg)						
0.5 or 1	1 to 60	5 to 300						
0.5	10 to 60	50 to 300						
1.5	15 to 20	225 to 300						
2	1 to 5	20 to 100						
1	3	30						
1	3 to 5	30 to 50						
1	10	100						
1	10	100						
1	5	50						
1	5 to 10	50 to 100						
	mmended Dosage Lid (w Conc. (%) 0.5 or 1 0.5 or 1 0.5 2 1.5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inmended Dosages Lidocaine Hydroc Injection, U (without Epinep Conc. (%) Vol. (mL) 0.5 or 1 1 to 60 0.5 1 0 to 60 1.5 15 to 20 2 1 to 5 1 3 to 5 1 3 to 5 1 10 1 10 1 5 1 10 1 10 1 10 1 10 1 10 1 10						

Thoracic	1	20 to 30	200 to 300	HOW SUPPLIED Lidocaine Hydrochloride Injection, USP is supplied as foll	ows:	NDC 0409-4713-32		Lidocaine Hydrochloride Injection, USP solutions packaged in ampuls and glass teartop vials may be autoclaved one time only. Autoclave at 15 pounds pressure, 121°C (250°F) for 15 minutes. D0	
Lumbar				Unit of Sale	Concentration	Bundle of 5 cartons containing 10 ampuls per carton		NOT AUTOCLAVE PRODUCT IN PLASTIC VIALS.	
Analgesia	1	25 to 30	250 to 300		0.5%	NDC 0409-4282-01	2%		
Anesthesia	1.5	15 to 20	225 to 300	NDC 0409-4278-01	250 mg/50 mL	Bundle of 5 clamcells containing 5 ampuls per	40 mg/2 mL		
	2	10 to 15	200 to 300	Tray of 25 Glass Teartop Vials	(5 mg/mL)	clamcell	(20mg/mL)	Distributed by Hospira, Inc., Lake Forest, IL 60045 USA Hospira	
Caudal					1%	11-14-66-1-	6	140 110 40	
Obstetrical analgesia	1	20 to 30	200 to 300	NDC 0409-4713-62 Case of 800 Glass Ampuls	20 mg/2 mL	Unit of Sale	Concentration	LAB-1118-4.0	
Surgical anesthesia	1.5	15 to 20	225 to 300		(10 mg/mL)	NDC 0409-4275-01	0.5% 250 mg/50 mL	Revised: 02/2019	
* Dose determined by number of dermatomes	to be anest	thetized (2 to 3 n	nL/dermatome).	NDC 0409-4713-65	1% 50 mg/5 mL	Tray of 25 Plastic Fliptop Vials	(5 mg/mL)	netisel. 0/2013	
THE ABOVE SUGGESTED CONCENTRATIONS AND VOL	LUMES SER	VE ONLY AS A GU	IDE. OTHER	Case of 800 Glass Ampuls	(10 mg/mL)		1%	—	
VOLUMES AND CONCENTRATIONS MAY BE USED PROVIDED THE TOTAL MAXIMUM RECOMMENDED			1%	NDC 0409-4276-01	200 mg/20 mL				
DOSE IS NOT EXCEEDED.	DOSE IS NOT EXCEEDED.		NDC 0409-4279-02	300 mg/30 mL	Tray of 25 Plastic Fliptop Vials	(10 mg/mL)			
STERILIZATION, STORAGE AND TECHNICAL PROCEDURES Disinfecting agents containing heavy metals, which cause release of respective ions (mercury, zinc, copper, etc.) should not be used for skin or mucous membrane disinfection as they have been related to incidents of swelling and edema. When chemical disinfection of multi-dose		NDC 0409-4776-01 300	(10 mg/mL)	MDC 0409-4276-02 Tray of 25 Plastic Fliptop Vials	1% 500 mg/50 mL (10 mg/mL) 2%				
			1.5%						
			300 mg/20 mL (15 mg/mL)			—			
vials is desired, either isopropyl alcohol (91%) or et	thyl alcohol	l (70%) is recomi	mended. Many		2%	NDC 0409-4277-01	400 mg/20 mL		
commercially available brands of rubbing alcohol, a				NDC 0409-4282-02	200 mg/10 mL	Tray of 25 Plastic Fliptop Vials	(20 mg/mL)		
grade, contain denaturants which are injurious to r recommended that chemical disinfection be accom				Carton of 25 Glass Ampuls	(20 mg/mL)		2%		
with cotton or gauze that has been moistened with						NDC 0409-4277-02	1000 mg/50 mL		
				Unit of Sale	Concentration	Tray of 25 Plastic Fliptop Vials	(20 mg/mL)		
				NDC 0409-4713-02	1%	Single-dose products are preservative-free.			
		Bundle of 5 clamcells containing 5 ampuls per clamcell	50 mg/5 mL (10 mg/mL)	Store at 20 to 25°C (68 to 77°F). [see USP Controlled Roor	m Temperature.]				
				unten	(10 mg/mc/				

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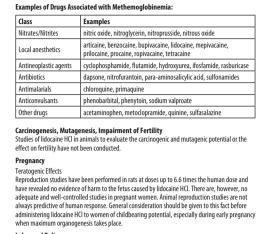




Inform patients that use of local anesthetics may cause methemoglobinemia, a serious condition that must be treated promptly. Advise patients or caregivers to seek immediate medical attention if they or someone in their care experience the following signs or symptoms: pale, gray, or blue Class Examples colored skin (cyanosis); headache; rapid heart rate; shortness of breath; lightheadedness; or fatique. Clinically Significant Drug Interactions The administration of local anesthetic solutions containing epinephrine or norepinephrine to patients receiving monoamine oxidase inhibitors or tricyclic anti-depressants may produce severe, prolonged hypertension.

Phenothiazines and butyrophenones may reduce or reverse the pressor effect of epinephrine. Concurrent use of these agents should generally be avoided. In situations when concurrent therapy is necessary, careful patient monoring is essential. Concurrent administration of vasopressor drugs (for the treatment of hypotension related to obstetric blocks) and ergot-type oxytocic drugs may cause severe, persistent hypertension or cerebrovascular accidents. Drug/Laboratory Test Interactions The intramuscular injection of lidocaine HCI may result in an increase in creatine phosphokinase levels. Thus, the use of this enzyme determination, without isoenzyme separation, as a diagnostic

test for the presence of acute myocardial infarction may be compromised by the intramuscular injection of lidocaine HCI. Patients who are administered local anesthetics are at increased risk of developing methemoglobinemia when concurrently exposed to the following drugs, which could include other local anesthetics:



Labor and Delivery Local anesthetics rapidly cross the placenta and when used for epidural, paracervical, pudendal or caudal block anesthesia, can cause varying degrees of maternal, fetal and neonatal toxicity (see CLINICAL PHARMACOLOGY, Pharmacokinetics and Metabolism). The potential for toxicity

drug administration. Adverse reactions in the parturient, fetus and neonate involve alterations of the central nervous system, peripheral vascular tone and cardiac function.

Maternal hypotension has resulted from regional anesthesia. Local anesthetics produce vasodilation by blocking sympathetic nerves. Elevating the patient's legs and positioning her on her left side will help prevent decreases in blood pressure. The fetal heart rate also should be monitored continuously, and electronic fetal monitoring is

The retain hear take also should be informative commonosity, and electronic retain monoming is highly advisable. Epidural, spinal, paracervical, or pudendal anesthesia may alter the forces of parturition through changes in uterine contractility or maternal expulsive efforts. In one study, paracervical block anesthesia was associated with a decrease in the mean duration of first stage labor and facilitation of cervical dilation. However, spinal and epidural anesthesia have also been reported to endow the screed duration of the behaviour the duration of first stage labor are to be predicted to be the screed duration of the providence of the screed duration of the screed durates of the screed to prolong the second stage of labor by removing the parturient's reflex urge to bear down or interfering with motor function. The use of obstetrical anesthesia may increase the need for

orceps assistance.

The use of some local anesthetic drug products during labor and delivery may be followed by diminished muscle strength and tone for the first day or two of life. The long-term significance of these observations is unknown. Fetal bradycardia may occur in 20 to 30 percent of patients receiving paracervical nerve block anesthesis with the amide-type local anesthetics and may be associated with fetal acidosis. Fetal heart rate should always be monitored during paracervical nerve the structure of the structure and the structure of the anesthesia. The physician should weigh the possible advantages against risks when considering a paracervical block in prematurity, toxemia of pregnancy, and fetal distress. Careful adherence to recommended dosage is of the utmost importance in obstetrical paracervical block. Failure to achieve adequate analgesia with recommended doses should arouse suspicion of intravascular or fetal intracrania linjection. Cases compatible with unintended fetal intracranial injection of local anesthetic solution have been reported following intended paraervical or pudendal block or both. Babies so affected present with unexplained neonatal depression at birth, which correlates with high local anesthetic serum levels, and often manifest seizures within six hours. Prompt use

depends upon the procedure performed, the type and amount of drug used, and the technique of of supportive measures combined with forced urinary excretion of the local anesthetic has been used successfully to manage this complication. Case reports of maternal convulsions and cardiovascular collapse following use of some local anesthetics for paracervical block in early pregnancy (as anesthesia for elective abortion) sugge that systemic absorption under these circumstances may be rapid. The recommended maximum dose of each drug should not be exceeded. Injection should be made slowly and with frequent

aspiration. Allow a 5-minute interval between sides. Nursing Mothers It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when lidocaine HCI is administered to a nursing woman.

Pediatric Use Dosages in children should be reduced, commensurate with age, body weight and physical condition (see DOSAGE AND ADMINISTRATION). ADVERSE REACTIONS

Systemic

Adverse experiences following the administration of lidocaine HCl are similar in nature to those observed with other amide local anesthetic agents. These adverse experiences are, in general, dose-related and may result from high plasma levels caused by excessive dosage, rapid absorption ntravascular injection, or may result from a hypersensitivity, i diminished tolerance on the part of the patient. Serious adverse experiences are generally systemic in nature. The following types are those most commonly reported: Central Nervous System

CNS manifestations are excitatory and/or depressant and may be characterized by lightheaders, nervourse, apprehension, euphoria, confusion, dizzines, drowsiness, tinnitus, blurred or double vision, vomiting, sensations of heat, cold or numbness, twitching, tremors, convulsions, unconsciousness, respiratory depression and arrest. The excitatory manifestations may be very brief or may not occur at all, in which case the first manifestation of toxicity may be drowsiness merging into unconsciousness and respiratory arrest.