Flecainide

Alert	Use in consultation with a Paediatric Cardiologist.
	Contraindicated in infants with reduced myocardial contractility.
	Use caution in patients with congenital heart disease—increased potential for
	proarrhythmic effects.
	Intravenous flecainide needs close cardiorespiratory monitoring due to the potential
	for an acute deterioration.
Indication	Treatment of paroxysmal supraventricular tachycardia, paroxysmal atrial
	fibrillation/flutter and life- threatening ventricular dysrhythmias as a second-line
	agent where tachycardia has been resistant to first-line agents.
Action	Flecainide causes a decrease in intracardiac conduction for all parts of the heart, with
	the greatest effect in the His-Purkinje system. It acts by blocking fast sodium
	channels. As a type IC agent, it slows cardiac conduction and decreases contractility.
Drug Type	Type Ic antiarrhythmic.
Trade Name	Flecainide Sandoz Tablets; Flecatab Tablets; Tambocor solution for injection,
	Tambocor Tablets
Presentation	Intravenous:
	10 mg/mL (15 mL) injection.
	Oral:
	Flecainide 20 mg/mL suspension compounded by pharmacy.
	50 mg, 100 mg tablets.
Dosage/Interval	Oral:
	Start at 1 mg/kg/dose 8 or 12 hourly.
	Increase by 1 mg/kg/dose as necessary to achieve maintenance of sinus rhythm up
	to maximum dose.
	Intravenous:
	2 mg/kg over at least 10 minutes.
Route	Oral [preferred route] or intravenous.
Maximum Daily Dose	
Preparation/Dilution	8 mg/kg/day. Draw up 1mL (10mg of flecainide) and add 9mL of glucose 5% make up a final
rieparation/ Dilution	volume of 10 mL with a concentration of 1mg/mL.
	It can also be administered undiluted.
Administration	Oral:
Administration	Administer between milk feeds. Do not administer with milk. Milk decreases
	absorption in infants.
	Intravenous:
	IV infusion over at least 10 minutes. IV flecainide needs to be monitored very closely
	with the potential for an acute deterioration.
Monitoring	Initiate treatment in hospital with ECG monitoring in consultation with paediatric
	cardiologist.
	When intravenous route used, continuous ECG monitoring is mandatory.
	Perform ECG when the dosage is increased – monitor QRS duration and dysrhythmia.
	Therapeutic trough concentrations are not routinely required (200–1000
	microgram/L).
Contraindications	Cardiogenic shock.
	Hypersensitivity to flecainide.
	Significant renal impairment (creatinine clearance < 50 mL/min).
	Reduced left ventricular ejection fraction.
Precautions	Use with caution in patients with congenital heart disease or conduction system
	disease (right bundle branch block, with left hemiblock and without pacemaker;
	second- or third-degree atrioventricular block, without pacemaker; sick sinus
	syndrome [bradycardia-tachycardia syndrome]).
	Milk decreases oral flecainide absorption. Consider decreasing oral dose or dose
	monitoring if change of milk diet.

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Dosing adjustments are required in	nfants with renal impairment because 10% to	
50% of a flecainide dose is excreted	50% of a flecainide dose is excreted in the urine.	
Use with caution in significant hepat	Use with caution in significant hepatic impairment.	
Drug Interactions Drugs prolonging QT interval (cisapr	de, amiodarone, clarithromycin, chloral hydrate,	
ciprofloxacin, erythromycin, octreot		
ketoconazole, fluconazole, hydrochl	orothiazide, azithromycin, propranolol, digoxin,	
verapamil).		
Adverse Reactions Adults:		
Common		
	Gastrointestinal: Nausea (up to 10%);	
	%), Headache (4.5% to 9.6%); Ophthalmological:	
10.3%); Other: Fatigue (7.7%).	sia (up to 30%); Respiratory: Dyspnoea (up to	
Serious		
	cardiogenic shock, disorder of pacing function,	
· · · · · · · · · · · · · · · · · ·	eart block, heart failure (new onset or worsening	
I =	al, sinus node dysfunction (1% to less than 3%),	
	des de pointes, ventricular fibrillation, ventricular	
tachycardia.	·	
Children:		
Dizziness, blurred vision and headac	he have been reported in children.	
Compatibility 5% glucose		
Incompatibility Incompatible with alkaline and chlor		
Stability Diluted solution stable for 24 hours		
Oral suspension compounded by Ph		
Storage Ampoules. Store below 30°C. Protect	t from light.	
Tablets. Store below 30°C.	a a mata mana watu wa	
Compounded suspension: Store at respectively.	Join temperature.	
Evidence summary Efficacy and safety:		
	sequent reports found flecainide appeared to be	
· · · · · · · · · · · · · · · · · · ·	ng; < 1% incidence of serious proarrhythmia) and	
effective (73–100 % control, depend	. , ,	
	LOE IV GOR B) However, concerns regarding	
safety exist in patients with structur	al heart disease and cardiomyopathy. The	
Cardiac Arrhythmia and Suppression	Trial (adults with AMI) demonstrated increased	
	ecainide.[3-5] A report of young patients (4 days	
	for treatment of SVT (n = 369) or VT (n = 103)	
	response 7.4%, cardiac arrest 2.3% and died	
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flecainide for supraventricular tachy	se, particularly among patients receiving	
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	Pharmacokinetics: Flecainide is cleared via hepatic biotransformation and renal excretion. Infants < 1 year of age had a mean $t_{1/2}$ of 11–12 hour; children aged 1 to 12 years had a $t_{1/2}$ of 8 hours. Dosing schedules based on mg/m² correlated better with plasma flecainide concentrations than did dosing based on mg/kg.[8, 9] Oral bioavailability in adults reported to be 78–100%.
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