

PRESENTATION Lidocaine 1% ampoules or mini-jet containing 100 milligrams in 10ml.	INDICATIONS If amiodarone is NOT available to treat shock resistant ventricular fibrillation (VF) the use of lidocaine may be considered in its place i.e. after three shocks have failed to convert VF.
ACTIONS Suppresses the automaticity of the His-Purkinje system. Elevates the electrical stimulation threshold of the ventricles during diastole.	CONTRA-INDICATIONS Known allergy to lidocaine or other local anaesthetics. Bradycardia. Asystole. Torsades de pointes. Paroxysmal VT secondary to underlying bradycardia. Porphyria. Where amiodarone has already been administered.
SIDE EFFECTS CNS excitation including convulsions. Fall in blood pressure because of myocardial depression. Bradycardia. Cardiac arrest.	ADDITIONAL INFORMATION Lidocaine 1% may also be used as a local anaesthetic agent by appropriately skilled and trained clinicians. Refer to local procedures.

DOSAGE AND ADMINISTRATION**Ventricular fibrillation (VF)**

NOTE: Lidocaine may be used as an alternative if amiodarone is not available, but amiodarone is the drug of preference in the treatment of arrhythmias.

Route: **ADULTS** IV/ET – **CHILDREN NOT** to be given via ET route IV (or IO < 7 years).

Concentration – 1% (100 milligrams in 10ml).

AGE	DOSE	VOLUME
Adult	100 milligrams (IV)	10.0ml
Adult	200 milligrams (ET)	20.0ml
11 years	35.0 milligrams	3.5ml
10 years	32.0 milligrams	3.2ml
9 years	29.0 milligrams	2.9ml
8 years	26.0 milligrams	2.6ml
7 years	23.0 milligrams	2.3ml
6 years	21.0 milligrams	2.1ml
5 years	19.0 milligrams	1.9ml
4 years	16.0 milligrams	1.6ml
3 years	14.0 milligrams	1.4ml
2 years	12.0 milligrams	1.2ml
18 months	11.0 milligrams	1.1ml
12 months	9.8 milligrams	0.98ml
9 months	8.9 milligrams	0.89ml
6 months	7.8 milligrams	0.78ml
3 months	6.0 milligrams	0.60ml
1 month	4.4 milligrams	0.44ml
Birth	N/A	N/A

Administer slowly over 2-3 minutes.

Repeat if necessary after 15–20 minutes to a maximum of 200 milligrams.

NOTE: DO NOT give lidocaine if amiodarone has been given already.