The use of subcutaneous Levetiracetam in Palliative medicine – Quick Guide

Indication	The treatment of enilentic seizures in palliative care nations, who are unable to		
mulcation	The treatment of epileptic seizures in palliative care patients who are unable to		
	take their medications orally and when IV access is not an appropriate		
	intervention.		
Dose	The oral bioavailability of	levetiracetam is 95-100	0% so an oral to subcutaneous
conversion	conversion is a 1:1 ratio		
Doses	If a patient is already using levetiracetam the starting subcutaneous dose should		
	be the same as the previously administered total daily dosage.		
	The usual starting dose in a patient not previously using levetiracetam is 500-		
	1000mg over 24 hours via CSCI		
	The oral formulation states a dose increase of 500mg at two week intervals.		
	Patient condition should be considered when deciding on a titration schedule in		
	this patient group.		
	The maximum licensed dose is 3000mg. Higher doses (up to 4000mg) have been		
	stated in the literature. Please contact pharmacy for advice.		
Diluents	It can be used with both water for injection and 0.9% sodium Chloride.		
	Levetiracetam solution for injection should be diluted as much as is practical to		
	avoid site irritation.		
Rate of	Levetiracetam can be infused via CSCI over 24 hours. It can also be run in two 12		
Infusion	hour drivers if the solution volume is large.		
Compatibility	There is low level evidence to suggest that certain medications can be combined		
information	without compatibility problems. However, it is advised that levetiracetam		
	should not be mixed in a syringe with other medications. Please contact		
	pharmacy for further advice.		
Cautions	Patients with renal or severe hepatic impairment may need dose adjustments		
	Crawa	Creatinine clearance	Dans and framework
	Group	(ml/min/1.73m2)	Dose and frequency
	Normal	>80	500 to 1500mg twice daily
	Mild	50-79	500 to 1000mg twice daily
	Moderate	30-49	250 to 750mg twice daily
	Severe	<30	250 to 500mg twice daily 500 to 1000mg once daily
	Dialysis	<u> </u>	300 to 1000ing once daily