

(5) Levetiracetam loading dose

- Safe to use in patients already taking levetiracetam regularly
- Tick applicable weight range
- If NC offline, prescribe infusion on a paper drug chart as per box 7

Ideally avoid (but NOT contraindicated) if

- eGFR known to be <30 from previous U&E (NB: CAN still be given if no results available)
- History of intentional OD / suicidal ideation

	Add required amount of levetiracetam to a 100 mL bag of sodium chloride 0.9%		
Patient weight (kg)	Levetiracetam 60mg/kg ampoules contain 500mg in 5mL (100mg/mL) Dose Volume		Rate
	mg	mL	mL/h
40 – 44	2500	25	750
45 – 49	2800	28	768
50 – 54	3100	31	786
55 – 59	3400	34	804
60 – 64	3700	37	822
65 – 69	4000	40	840
70 – 74	4300	43	858
> 74	4500	45	870
All infusions will complete in 10min			

6 Sodium valproate Ioading dose Tick applicable weight range If NC offline, prescribe infusion on a paper drug chart as per box 7

Avoid if

- Already taking sodium valproate regularly
- Woman of childbearing potential
- Acute liver failure, known clotting disorder, active bleeding or recent neurosurgical procedure
- Mitochondrial disorders and aminoacidopathies

	Add required amount of sodium valproate to a 100 mL bag of sodium chloride 0.9%		
Patient weight (kg)	Sodium valproate 40mg/kg ampoules contain 400mg in 4mL (100mg/mL)		Rate
	Dose	Volume	
	mg	mL	mL/h
40 – 44	1700	17	1000
45 – 49	1900	19	1000
50 – 54	2100	21	1000
55 – 59	2300	23	1000
60 – 64	2500	25	1000
65 – 69	2700	27	1000
70 – 74	2900	29	1000
> 74	3000	30	1000
All infusions will complete in a little under 8min			

(7) ASM example prescriptions for use if Nervecentre is offline For a 64kg patient as per boxes 5, 6 and 8

Fluid

Batch No.

Prescriber

Dr.'s Name

Dr.'s Name

Dr.'s Name

Time to run or ml/hr

822 mL/h

(i.e. runs over 10min)

1000 mL/h

951 mL/h

DD/MM/YY	Sodium chloride 0.9%	100mL	Phenobarbital
		se only if :	agreed with ICU
(8) Phe	nobarbital \cdot o	se offiny if a	agreed with ICO

Infusion fluid

Type/strength

Sodium chloride 0.9%

Sodium chloride 0.9%

Date

DD/MM/YY

DD/MM/YY

Use only if agreed with ICU SDM Tick applicable weight range

100ml Levetíracetam

100ml Sodium valproate

Additions to infusion

Drug

 If NC offline, prescribe infusion on a paper drug chart as per box 7

Add required amount of phonobarbital to

Avoid if

loading dose

- Porphyria
- Older people / high risk of respiratory depression

Volume

	a 100 mL	oride 0.9%	
Patient weight	Phenobarbital 10mg/kg		
, and the second	ampoules contain 60mg in 1mL		Rate
(kg)	Dose	Volume	
	mg	mL	mL/h
40 - 42	420	7	1000
43 - 48	480	8	1000
49 - 54	540	9	1000
55 - 60	600	10	1000
61 - 66	660	11	951
67 - 72	720	12	840
73 - 78	780	13	847
79 - 84	840	14	760
85 - 90	900	15	766
91 - 96	960	16	696
> 96	1020	17	638

Infusions will complete within 6 – 11min (infusion rate = 100mg/min)

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Start Time

нн:мм

нн:мм

нн:мм

IV or

SC

IV

ΙV

Dose

3700mg = 37mL

2500mg = 25mL

660mg = 11mL

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	management plan during this admission for all pts with epilepsy who do not already have one in place
	Document the need to create an agreed emergency
\Box	
	Appropriate disposition (i.e. AMU, ACB or ICU)
	CXR to exclude aspiration
	CT-head if indicated (see box 4)
	Wean off oxygen once target SpO ₂ maintained
	Identify any injuries, e.g. shoulder dislocations
	Look for potential causes and precipitants (see box 3)
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	with one appropriate 2 nd -line ASM (levetiracetam, sodium valproate or phenytoin) to prevent seizure recurrence
	If CSE had stopped after benzodiazepine only, now load
	Monitor for respiratory depression during postictal period
	Place in recovery position if possible while postictal

0	Antiseizure medication (ASM) levels
	Status epilepticus can be due to non-adherence:
	check levels if patient is prescribed regular ASMs

ASM name	Plasma level	Within therapeutic range?
		Yes No
		Yes No
		Yes No