



NEEMMC GUIDELINES FOR TABLET CRUSHING AND ADMINISTRATION VIA ENTERAL FEEDING TUBES

KEY TO DRUG ADMINISTRATION GUIDELINES

Please follow the guidelines in order, as shown in the chart (i.e. number 1 is the first choice of which form to administer the drug in).

- Tablet will disperse in 1-2 minutes.
- В Tablet will disperse in greater than 2 minutes.
- С Liquid preparation available.
- D Dilute reconstituted injection with 30-60ml of water before administering.
- Ε Oral solution/suspension can be prepared by local pharmacy or Non Sterile Preparative Services (PSU at Colchester General Hospital, Tel: 01206 745962).

Note: It is an unlicensed use to crush tablets, open capsules and make extemporaneous suspensions.

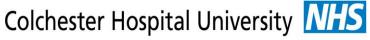
These guidelines should not be used as a means to covertly administer medication. All medication must only be given with full patient consent; if covert administration is considered to be in the best interests of the patient, due regard must be paid to all relevant legislation (Mental Capacity Act 2005, Mental Health Act 1983 as amended in 2007).

> For more information on the administration via different tubes, please contact Medicines Information on ext. 2161.

Drug	Key code	Information
ACETAZOLAMIDE	1. A 2. D	Diamox 250mg tablets disintegrate very quickly in 10ml of water. Diamox injection 500mg can be given via a feeding tube.
ACICLOVIR	1. C 2. A*	* Dispersible tablets available
ALENDRONIC ACID		Caution: Alendronic acid tablets should only be crushed and dispersed in water if administered via a feeding tube, NOT orally (very irritant). Once-weekly formulation should be used.
ALFACALCIDOL	1. C* 2. D	* Oral drops available (1 drop=100 nanograms). One-Alpha injection can be administered orally or via a feeding tube.
ALFUZOSIN	A	Beware of sudden hypotensive effect if giving crushed tablets. Monitor BP and ensure patient is lying down prior to administering the dose. Do not crush slow release preparations.

- Tablet will disperse in 1-2 minutes.
- Tablet will disperse in greater than 2 minutes.
- Liquid preparation available.
- A B C D Dilute reconstituted injection with 30-60ml of water before administering.
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ALLOPURINOL	1. B	
	2. E	
ALVERINE		Content of capsules is very bitter, and might numb the tongue and throat.
AMANTADINE	1. C 2. A*	* Capsules may be opened and contents dispersed in water.
AMILORIDE	1. B 2. C*	* Oral solution available.
AMINOPHYLLINE		Convert to theophylline: Slo-Phyllin MR capsules can be opened and pellets can be taken orally or via a tube. Do not crush pellets.
AMIODARONE	1. B 2. E	
AMITRIPTYLINE	1. C 2. B 3. E	Tablets do not disperse readily but can be crushed and dispersed in water.
AMLODIPINE	В	
AMOXICILLIN	С	
ANASTROZOLE	В	
ARIPIPRAZOLE	B*	Orodispersible tablets available. * Normal tablets can be crushed, mixed with water and taken immediately. Some excipients are insoluble in water and may float to the surface. (Bristol Myer Squibb information)
ASCORBIC ACID	Α	Effervescent tablets available.
ASPIRIN	A	Convert enteric coated tablets to dispersible aspirin.
ATENOLOL	1. C 2. B	Most tablets are film coated, which do not disperse readily in water. Film coat may clog tube.
ATORVASTATIN	В	
AZATHIOPRINE	1. A* 2. E	* Do not crush tablets. Cytotoxic, wear gloves.
BACLOFEN	1. C 2. B	
BALSALAZIDE	В	Capsules can be opened and sprinkled in water or on food. Capsule contents will stain.
BENDROFLUMETHIAZIDE	1. B 2. E	
BENZHEXOL	С	
BETAHISTINE	1. B 2. E	
BETAMETHASONE	A	Soluble tablets available.
BEZAFIBRATE	В	Do not crush MR forms (Bezalip Mono™), change to equivalent dose of normal release tablet and crush (bezafibrate MR 400mg OD equivalent to bezafibrate 200mg TDS).
BICALUTAMIDE		Tablets can be crushed, but are practically insoluble in water.

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Liquid preparation available.

A B C D E Dilute reconstituted injection with 30-60ml of water before administering.

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BISACODYL		Tablets are enteric coated. Crushed tablets
		are very irritant. Use suppositories
BISOPROLOL	В	Some brands may need to be crushed.
BROMOCRIPTINE	Α	Also, capsules can be opened.
BUMETANIDE	1. B 2. D	
BUPROPION		Tablets are slow release and should not be crushed (increased risk of adverse effects including seizures). (Ref. GlaxoSmithKline, Zyban SPCs, Jan 09)
BUSPIRONE	В	
CABERGOLINE	В	
CALCIUM RESONIUM		When mixed with water, the resulting paste is too thick to administer via a feeding tube. Rectal route should be used (dose 30g).
CALCIUM SALTS	Α	Effervescent tablets available.
CALCIUM FOLINATE	1. B 2. D*	Tablets need to be crushed. * Pharmacia and Mayne brands of injections can be administered orally.
CANDESARTAN	В	
CAPTOPRIL	1. B 2. E	
CARBAMAZEPINE	1. C* 2. A	* Suspension may bind to PVC feeding tubes. Dilute in water to prevent this. Do not crush slow release preparations. Suppositories can be used for 7 days (when changing from oral to suppositories, the dose must be increased by 25%).
CARVEDILOL	В	Monitor blood pressure.
CELECOXIB		Contents of capsule can be mixed with water, pudding or apple sauce.
CETIRIZINE	С	
CHLORAL HYDRATE	С	
CHLORPHENAMINE	1. C 2. A	
CHLORPROMAZINE	1. C 2. B*	* Risk of sensitization. Wear gloves if crushing tablets.
CICLOSPORIN	С	Interact with PVC feeding tubes, so dilute the dose in equal amount of water. Monitor plasma levels. Can be mixed with orange or apple juice to improve taste.
CIMETIDINE	1. C* 2. A 3. D	* Stop enteral feed prior to administration. Flush tube before and after. Effervescent tablets available.
CINNARIZINE	В	
CIPROFLOXACIN	1. C* 2. B	* Do not dilute suspension further. Stop enteral feed prior to administration. Flush tube before and after.
CITALOPRAM	1. C 2. B	Drops available (4 drops=8mg liquid is equivalent to 10mg tablet).
CLARITHROMYCIN	С	Suspension and sachets are available.

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CLINDAMYCIN		Capsules can be opened and mixed with water or food.
CLOBAZAM	1. A 2. E	
CLOMIFENE	B	Ref. Wockhardt Medical Information
CLOMIPRAMINE	1. A	Capsules can be opened and contents
CECIVIII TO WINVE	2. E	mixed with water.
CLONAZEPAM	1. A	* Unlicensed special.
	2. C*	
	3. E	
CLONIDINE	1. A (Catapres)	* Dilute and administer Catapres™
	B (Dixarit)	injections.
	2. D*	
CLOPIDOGREL	В	Crush tablets and give with water or in food.
CLOZAPINE	Е	
CO-AMILOFRUSE	1. B	Or change to amiloride liquid and
	2. E	furosemide liquid.
CO-AMILOZIDE	1. A	
00 410 (01 4)	2. E	
CO-AMOXICLAV	1. C	* Dispersible tablets available (not kept at
CO-CODAMOL	2. A*	CHUFT). Dispersible and effervescent tablets
CO-CODAWOL	A	available.
CODEINE	С	available.
OODENTE		
CO-BENELDOPA	Α	Dispersible tablets available.
CO-CARELDOPA	Α	Do not disperse slow-release tablets.
CO-DYDRAMOL		No liquid/dispersible tablets available.
		Convert to dihydrocodeine liquid and
		paracetamol liquid.
CO-PHENOTROPE	В	
COLCHICINE	A	
CO-TRIMOXAZOLE	С	
CYCLOPHOSPHAMIDE	1. E	* Cutatavia waar alawaa
CYCLOPHOSPHAMIDE	1. E 2. D*	* Cytotoxic, wear gloves.
DEMECLOCYCLINE	В	Open capsule and disperse contents in
DEMICES TO LINE		water.
DEXAMETHASONE	1. C	Water
	2. B	
DIAZEPAM	1. C*	*Interact with PVC feeding tube, so dilute
	2. B	dose of suspension with equivalent amount
		of water.
2101.055111.0	1.	Suppositories and injections available.
DICLOFENAC	A	Dispersible tablets available. Do not crush
		enteric-coated or slow-release tablets.
DIGOXIN	1 C	Suppositories also available.
DIGUAIN	1. C 2. B	
DIHYDROCODEINE	C	
DILTIAZEM	1. B*	* Open slow-release capsule and disperse
		1 2 5 3 1 Cloth 1 Cloude Capealo and dioperso

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	To =	T
	2. E	content in water. Do not crush the pellets. Do not crush slow-release tablets.
DIPYRIDAMOLE	1. C	Tablets may be crushed.
DII TINDAMOLL	2. B	Slow-release capsules may be opened and
	3. D	granules dispersed in water. Do not crush
	4. E	granules.
DOCUCATE CODUIM	C C	granules.
DOCUSATE SODIUM		1
DOMPERIDONE	1. C 2. B	Suppositories are also available.
DONEPEZIL	В	Crush tablet before suspending in water
DOSULEPIN	В	Crush tablets and disperse in water. Risk
		of blocking tubes.
DOXAZOSIN	1. A	Do not crush modified release tablets.
	2. E	Change to normal release.
DOXEPIN		Capsules may be opened and the contents
		mixed with water.
DOXYCYCLINE	A*	* Dispersible tablets available.
		Do NOT open capsules as the contents are
		irritant.
DUTASTERIDE		Do NOT open capsules as the contents are
		irritant. Change to finasteride (see below).
ENALAPRIL	1. B 2. E	
ENTACAPONE	В	Caution: will stain surrounding objects
LINTACAPONE	ا	orange. Wear gloves.
EPLERENONE		
EPLERENOINE		Tablets can be crushed and mixed in apple sauce. (Ref. Pfizer)
ERYTHROMYCIN	С	Erythromycin ethylsuccinate is the only
		liquid preparation available. When
		switching from erythromycin stearate
		tablets, the dose has to be doubled.
ESCITALOPRAM	В	Tablets can be crushed and dispersed in
LOCITALOFICAN	٦	water, orange or apple juice. Bitter taste.
		To be taken immediately.
ETHAMBUTOL	В	(Ref. Lundbeck Medical Information)
ETIDRONATE DISODIUM	В	Stop enteral feed 2 hours before and after
L LIDRONATE DISODIUM	В	administration. Flush tube before and after
EZETIMIDE	D	auministration. Flush tube before and after.
EZETIMIBE	В	Outtob to and time form to to the Post I
FERROUS SULPHATE	B or:	Switch to sodium feredetate liquid –
		Sytron™ (10ml equivalent to 200mg
		ferrous sulphate tablet).
		Modified release iron tablets should be
		changed to the equivalent normal release
		strength and dose first.
FEXOFENADINE	В	
FINASTERIDE	В	Wear gloves- Not to be handled by women
		who are or might be pregnant.
FLAVOXATE	E	Tablets are very hard to crush.
	В	•
FLECAINIDE	1. A	
	2. E	
FLUCLOXACILLIN	С	Stop enteral feed 30min to 1h before and
T T 11 1 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 		

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		after administration. Flush tube.
FLUCONAZOLE	С	Or capsules can be opened and contents
		mixed with water.
FLUDROCORTISONE	Α	
FLUOXETINE	C	Or capsules can be opened and dispersed
ELLIDENTIVOL	В	in water.
FLUPENTIXOL FLUVASTATIN	D	Open capaules and disperse in water
		Open capsules and disperse in water. Do not open slow-release capsules
FOLIC ACID	1. C 2. B	
FUROSEMIDE	2. B 1. C	
	2. A	
FUSIDIC ACID/	C	500mg sodium fusidate tablet is equivalent
SODIUM FUSIDATE		to 750mg oral suspension.
GABAPENTIN		Open capsule and disperse in water.
GALANTAMINE	1. C	Tablets dissolve in water.
	2. A	Slow-release capsules can be opened and
		contents mixed with water, orange juice or
		yogurt. Do not crush.
	ļ. <u> </u>	(Ref. Shire Pharmaceuticals Ltd Medical Information)
GLIBENCLAMIDE	1. B 2. E	Monitor blood glucose levels.
GLICLAZIDE	1. B	Monitor blood glucose levels.
	2. E	
GLYCOPYRRONIUM	1. B	Tablets disperse in water.
	2. D	The injection can be given orally.
GRANISETRON	1. C 2. B	
GRISEOFULVIN	E	Tablets are not soluble in water.
HALOPERIDOL	1. C	Or open capsule and disperse contents in
	2. B	water.
HYDRALAZINE	1. B	1.2.2.1
	2. D	
	3. E	
HYDROCORTISONE	1. A	
	2. E	
HYDROXYCARBAMIDE		Capsules can be opened and contents
		dissolved in water. Take immediately.
		Caution: Cytotoxic – wear gloves.
HYDROXYCHLOROQUINE	1. B	
	2. E	
HYDROXYZINE	1. C	
	2. B	
HYOSCINE BUTYLBROMIDE	1. B 2. D	Injection can be given orally, no dilution needed.
HYOSCINE	D	Transdermal patches also available.
HYDROBROMIDE		·
IBUPROFEN	1. C	Granules are available.
	2. B*	* Do not crush enteric-coated preparations.
IMIPRAMINE	1. B	
	2. E	

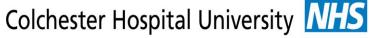
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INDAPAMIDE	14 D	Do not orush alour release formulations
INDAPAMIDE	1. B	Do not crush slow release formulations,
	2. E	change normal release (1.5mg SR OD is
		equivalent to 2.5mg OD).
INDOMETACIN	С	Suppositories are available.
INDORAMIN	Α	
IRBESARTAN	В	Practically insoluble in water. Crush tablets
		and give with water or in food.
ISONIAZID	1. B	
	2. C	
ISOSORBIDE	1. B	Do not crush slow release formulations.
MONONITRATE	2. E	Change to normal release preparations
		and increase frequency to BD. Monitor
		blood pressure.
		Patches are available.
ISOSORBIDE DINITRATE	E	Or change to isosorbide mononitrate and
10000KBIBE BINITKATE	_	crush tablets.
ITRACONAZOLE	С	Crush tablets.
LABETALOL		
LABETALOL		
LAMOTRICINIT	2. D	
LAMOTRIGINE	A	Dispersible tablets available.
LANSOPRAZOLE	A	Oro-dispersible tablets available.
		Capsules can be opened and granules
		mixed with 8.4% sodium bicarbonate.
LERCANIDIPINE		Tablets do not dissolve in water. They can
		be broken into pieces and taken with food.
		Consider an alternative (amlodipine).
LEVAMISOLE	В	Tablets can be crushed and mixed with
		water.
LEVETIRACETAM	1. C	Solution available is bitty and can clog
	2. B	tubes.
		Tablets can be crushed and dispersed in
		water or sprinkled on food. Taste bitter.
		Tablets can be given rectally.
		(Ref. UCB Pharma)
LEVOFLOXACIN	В	Stop enteral feed prior to administration.
LE VOI LOXACIIV		Flush tube before and after. Do not use low
		doses.
LEVOMEPROMAZINE	1. A	40000.
LL V OIVILL INOIVIAZINE	2. E	
LEVOTHYROXINE	1. B	Tablets can be given rectally.
LEVOTHTRUAINE	2. E	Tablets call be given rectally.
LICINODDII		
LISINOPRIL		
1		
1 171 111 184	2. E	Talling and the control of the contr
LITHIUM	2. E C	Tablets are slow release, so liquid
LITHIUM		preparation may have to be given more
LITHIUM		preparation may have to be given more frequently. Monitor plasma lithium levels.
LITHIUM		preparation may have to be given more frequently. Monitor plasma lithium levels. Lithium carbonate 200mg= lithium citrate
	С	preparation may have to be given more frequently. Monitor plasma lithium levels.
LITHIUM	1. C	preparation may have to be given more frequently. Monitor plasma lithium levels. Lithium carbonate 200mg= lithium citrate
LOFEPRAMINE	1. C 2. B	preparation may have to be given more frequently. Monitor plasma lithium levels. Lithium carbonate 200mg= lithium citrate 509mg
	1. C	preparation may have to be given more frequently. Monitor plasma lithium levels. Lithium carbonate 200mg= lithium citrate
LOFEPRAMINE	1. C 2. B	preparation may have to be given more frequently. Monitor plasma lithium levels. Lithium carbonate 200mg= lithium citrate 509mg

A B C D E

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LORAZEPAM	1. A	1
LORAZEPAIVI	1. A 2. D*	* Injection can be given sublingually.
	3. E	injection can be given sublingually.
LORATADINE	3. E	
LOSARTAN	A E	
MAGNESIUM	E	
GLYCEROPHOSPHATE	4 0	
MEBEVERINE	1. C	
MEDDOWNDDOOFOTEDONE	2. B	
MEDROXYPROGESTERONE	1. B	
MEGEOTROL	2. E	
MEGESTROL	В	Crush tablets as they are not easily soluble
		in water.
MELATONIN		Do not crush Circadin™ tablets.
MELOXICAM	A	Suppositories are available and
		bioequivalent to tablets.
MESALAZINE	A*	* Pentasa™ tablets disperse in water to
		give MR granules. Do not crush Asacol™
		tablets, they are enteric-coated.
		Rectal preparations available.
MESNA		For oral administration, the contents of an
		injection can be taken in a flavoured drink
	_	(orange juice or cola)
METFORMIN	1. C	Sachets available.
	2. B	Monitor blood glucose levels.
	3. E	
METHOTREXATE	С	Cytotoxic – wear gloves, handle with care.
METHYLDOPA	В	
METOCLOPRAMIDE	1. C	
	2. B	
METOLAZONE	1. B	
	2. E	
METOPROLOL	1. E	Do not crush slow release formulations.
	2. B	
METRONIDAZOLE	1. C	Suppositories also available.
	2. B	
METYRAPONE	В	The capsules can be pierced and the
		contents mixed with water or sprinkled onto
		food. (Ref. Alliance Pharmaceuticals)
MIDAZOLAM	1. C	Injection can also be given rectally.
	2. D	
MINOXIDIL	Α	
MIRTAZAPINE	1. A	Soltabs melt on the tongue. They also
	2. C	disperse in water.
MISOPROSTOL	Α	Poor stability. Consider changing to
		ranitidine or lansoprazole.
MONTELUKAST	Α	Unstable in water, so give immediately.
MORPHINE	1. C	* MST Continuous sachets available.
	2. A*	Do not crush slow release formulations.
	1	Zomorph™ and MXL™ capsules can be
		Zomorphi and with capsaics can be
		opened. Do not crush the granules.

A B C D E

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NALILITINATA NALINIO	1 0*	# Alt. / / /
MULTIVITAMINS	1. C* 2. B	* Abidec (contains arachis oil) and Dalivit drops available.
MYCOPHENOLATE MOFETIL	С	Do not crush tablets - teratogenic.
NAFTIDROFURYL		Capsule contents can be used but can
		cause severe irritation/anaesthetic effect
		on oesophagus. Can be given via PEG or
		NG tube with plenty of water.
NAPROXEN	1. B	Do not crush slow release or enteric-
	2. E	coated formulations. Suppositories are
		available.
NEFOPAM	В	
NEOSTIGMINE	E	
NICORANDIL	Α	
NIFEDIPINE	В	Crush or disperse Adalat Retard™ tablets
		in water and use immediately as light-
		sensitive.
		Do not crush Adalat LA™ tablets- convert
		to equivalent dose of Adalat retard™.
NIMODIPINE	1. B*	* Use immediately as very light-sensitive.
	2. E	
NITRAZEPAM	1. C	
	2. B	
NITROFURANTOIN	1. B	Do not crush slow release formulations.
	2. C	
NIZATIDINE	В	Open capsule and disperse contents in
		liquid. Consider changing to ranitidine
NODETHIOTEDONE	_	liquid/effervescent.
NORETHISTERONE	В	
OFLOXACIN	В	Consider switch to Ciprofloxacin (needs
OL ANIZA DINIE	4 4 4	Micro approval).
OLANZAPINE	1. A* 2. B**	* Orodispersible tablets (Velotabs).
	2. D	** Dissolve in water, apple and orange
		juice, milk, or coffee. Wear gloves as very
OLSALAZINE	В	irritant to skin. Protect eyes. (Ref. Lilly)) Capsule contents can be dissolved in
OLSALAZINE	В	WARM water. Contents stain.
OMEPRAZOLE	1. B	Losec Mups TM disintegrate into small
OWIEFRAZULE	1. Б 2. Е	granules.
	Z. L	Losec™ capsules can be opened and the
		granules flushed down the enteral tube.
ONDANSETRON	1. C	Melt tablets available.
CIADANOLINON	2. A	Wort tablets available.
ORPHENADRINE	1. C	
OR HEIWENINE	2. B	
OSELTAMIVIR	1. C	Capsules can be opened and contents
	2. E	mixed with sweetened food product
		(chocolate syrup, honey, sugar dissolved in
		water, dessert toppings, sweetened
		condensed milk, apple sauce or yogurt) to
		mask the bitter taste. The mixture should
		be stirred and taken immediately. (Roche Ltd)
OXPRENOLOL	В	Do not crush slow release preparations.
	i .	The state of the s

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OVV/DUITVAUNI	14 0	Detail and a second sec
OXYBUTYNIN	1. C	Patches are also available.
0)///0000015	2. B	
OXYCODONE	С	Controlled drug.
OXYTETRACYCLINE	1. E 2. B	
PANCREATIC ENZYMES	В	Open capsule (Creon™, Nutrizyme™) and
		disperse contents in water. Granules must
		not be crushed.
PARACETAMOL	1. A	Dispersible tablets available.
	2. C	Suppositories also available.
PAROXETINE	1. C	
	2. B	
PENICILLAMINE	В	
PENICILLIN	С	Stop enteral feed prior to administration.
		Flush tube before and after. Avoid low
DED COLUDE		doses.
PERGOLIDE	В	
PERINDOPRIL DUENEL ZINE	A	Consider on alternative
PHENELZINE	В	Consider an alternative.
PHENOBARBITAL	1. C 2. B	
PHENYTOIN	C	90mg phenytoin suspension is equivalent
THENTHOM		to 100mg tablet or capsule. Stop enteral
		feed 2 hours before and after
		administration. Flush tube with 60ml of
		water after phenytoin. Monitor plasma
		concentration.
PHYTOMENADIONE	1. B	* Use Konakion™ MM Paediatric injection
(Vitamin K)	2. D*	and give orally.
PIMOZIDE	В	
PIOGLITAZONE	В	Tablets are relatively insoluble. Crush.
PIROXICAM	A	Dispersible tablets available. Dissolve in at
		least 50ml of water as very irritant.
		Do not crush capsules.
PIZOTIFEN	С	
POTASSIUM	1. A	Sando K™ effervescent tablets available.
	2. C	Kay-Cee-L™ syrup available.
PRAMIPEXOLE	В	Light sensitive, give immediately. (Ref. Boehringer Ingelheim Ltd)
PRAVASTATIN	В	(. ta.: 200/migar mgamam Ltd)
PRAZOSIN	В	Very poorly soluble in water.
PREDNISOLONE	A	Dispersible tablets available.
PREGABALIN		Open capsule and dissolve contents in
		water. Bitter taste. (Ref. Pfizer)
PRIMIDONE	1. A	
	2. C	
	3. E	
PROCHLORPERAZINE	1. C	Buccal tablets and suppositories available.
	2. A	
PROCYCLIDINE	1. C	
	2. B 1. C	
PROMETHAZINE		

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A B C D E Dilute reconstituted injection with 30-60ml of water before administering.



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PROPRANOLOL 1. C 2. B 3. D D Do not crush slow release preparations. If converting from SR, give the total daily dose in 2 to 3 divided doses. PROPYLTHIOURACIL A PYRAZINAMIDE B Stop enteral feed half an hour before and after administration. Flush tube before and after. PYRIDOSTIGMINE 1. B 2. E Film-coated tablets are poorly soluble in water. Manufacturer recommends crushing and mixing in yogurt. (Ref. AstraZeneca) QUININE SULPHATE 2. E RALTEGRAVIR B RAMIPRIL 1. B 2. E RALTEGRAVIR B RAMIPRIL 1. B 2. E RALTEGRAVIR B RAMIPRIL 1. C 2. E Effervescent tablets available. 2. B RIFABUTIN B Contents of capsule can be emptied in small amount of water and flavoured. RIFAMPICIN C RIFATER / RIFANAH RIFATER / RIFANAH RILUZOLE B ROPHINCLE B ROPHINCLE B ROPHINCLE B ROPHINCLE B ROPHINCLE B ROPHINCLE B SALBUTAMOL C D D not or upen be crushed and given in a spoonful of sugar, food puree or yogurt. Crushed tablets available. 2. B ROPHINCLE B ROPHINCLE B SALBUTAMOL C D D not crush slow release tablets. SELEGILINE 1. C Oral lyophilisates available for buccal administration. SELEGILINE 1. B Poorly soluble in water. Take immediately after crushing, maybe better in yogurt. Has an anaesthetic effect on the tongue. SILDENAFIL 1. B SIMVASTATIN B SODIUM BICARBONATE STANDAMBICA Capsules can be opened and contents mixed with water. RIF-FOUR Pharmacoucticals Ltd Capsules can be opened and contents mixed with water. RIF-FOUR Pharmacoucticals Ltd		0 D	
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SERTRALINE 1. B 2. E 2. E 3 Poorly soluble in water. Take immediately after crushing, maybe better in yogurt. Has an anaesthetic effect on the tongue. SILDENAFIL 1. B 2. E SIMVASTATIN B Capsules can be opened and contents mixed with water. Ref. Focus Pharmaceuticals Ltd			administration.
SERTRALINE 1. B 2. E after crushing, maybe better in yogurt. Has an anaesthetic effect on the tongue. SILDENAFIL 1. B 2. E SIMVASTATIN B Capsules can be opened and contents mixed with water. Ref. Focus Pharmaceuticals Ltd	SENNA	-	
2. E after crushing, maybe better in yogurt. Has an anaesthetic effect on the tongue. SILDENAFIL 1. B 2. E SIMVASTATIN B SODIUM BICARBONATE Capsules can be opened and contents mixed with water. Ref. Focus Pharmaceuticals Ltd	SERTRALINE	1. B	Poorly soluble in water. Take immediately
SILDENAFIL 1. B 2. E SIMVASTATIN B Capsules can be opened and contents mixed with water. Ref. Focus Pharmaceuticals Ltd		2. E	after crushing, maybe better in yogurt.
2. E SIMVASTATIN B Capsules can be opened and contents mixed with water. Ref. Focus Pharmaceuticals Ltd			
SIMVASTATIN SODIUM BICARBONATE Capsules can be opened and contents mixed with water. Ref. Focus Pharmaceuticals Ltd	SILDENAFIL		
SODIUM BICARBONATE Capsules can be opened and contents mixed with water. Ref. Focus Pharmaceuticals Ltd	SIMVASTATIN		
mixed with water. Ref. Focus Pharmaceuticals Ltd			Capsules can be opened and contents
Ref. Focus Pharmaceuticals Ltd			

Tablet will disperse in 1-2 minutes.

Tablet will disperse in greater than 2 minutes.

A B C D E Liquid preparation available.

Dilute reconstituted injection with 30-60ml of water before administering.



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SODIUM VALPROATE	1. C	Do not crush slow release tablets. Monitor
	2. B	plasma levels.
SOLIFENACIN	A	Ref. Astellas Pharma
SOTALOL	1. B 2. E	
SPIRONOLACTONE	1. C 2. B	
	3. E	
STALEVO™	В	Tastes bitter and forms an orange dye which may stain. Can be mixed with orange, apple or tomato juice, honey, jam or yoghurt. (Ref. Orion Pharma)
SUCRALFATE	1. C 2. A	Stop enteral feed at least 1h prior to administration and for 1h after. Flush tube before and after.
SULFASALAZINE	1. C 2. B	Do not crush enteric-coated or slow release tablets
SULPIRIDE	1. C 2. B	
TAMOXIFEN	1. C 2. B	Wear a mask if crushing tablets.
TAMSULOSIN MR		Capsules can be opened and modified- release granules mixed with water (not crushed). The mixture should be given immediately.
TELMISARTAN	В	
TEMAZEPAM	1. C 2. B	Schedule 3 controlled drug.
TEMOZOLOMIDE		Capsules can be opened and contents mixed with 30g apple sauce or apple juice. Appropriate precautions against toxic dust are recommended: wearing gloves and mask. (Ref. Schering Plough Ltd)
TETRABENAZINE	В	Tablets can be crushed and mixed in water
THEOPHYLLINE	С	To convert to liquid, divide the total daily dose by 3 and administer TDS. Stop enteral feed at least 1h prior to administration and for 2h after. Flush tube before and after. Monitor levels.
THIAMINE	1. B 2. E	
TIZANIDINE	В	
TOLBUTAMIDE	В	Tablets do not mix well with water when crushed.
TOLTERODINE	A	
TOPIRAMATE	В	Tablets do not disperse readily in water as they are film-coated, but will disintegrate if shaken in 10ml of water for 5 minutes. "Sprinkle capsules" can be opened and contents mixed with soft food.
TRAMADOL	A	Sachets, soluble and orodispersible tablets available. Capsules can be opened.

Tablet will disperse in 1-2 minutes.
Tablet will disperse in greater than 2 minutes.

Liquid preparation available.

A B C D E Dilute reconstituted injection with 30-60ml of water before administering.





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TRANDOLAPRIL		Open capsules and disperse contents in water. Consider changing to lisinopril liquid.
TDANEYAMIC ACID	4 D	water. Consider changing to iisinoprii liquid.
TRANEXAMIC ACID	1. B	
	2. E	
	3. D	
TRAZODONE	С	Capsules can be opened.
TRIFLUOPERAZINE	С	Capsules can be opened.
TRIMETHOPRIM	1. C	Avoid crushing – risk of 3 rd party exposure
	2. B	to the powder.
URSODEOXYCHOLIC ACID	1. B	
	2. C	
VALPROATE SEMISODIUM		Gastro-resistant tablets should not be
		crushed. If half tablet dose needed, take
		after food to minimise GI adverse effects.
VALSARTAN		Open capsules and disperse contents in
VALSARTAN		water. Monitor blood pressure.
VANCOMYCIN	1. D	water. Morntor blood pressure.
VANCOWITCH	2. E	
VENLAFAXINE	2. E	Tablets are water-soluble.
VENLAFAXINE	В	
		MR capsules can be opened and sprinkled
		onto soft food.
VERAPAMIL	1. C	Do not crush slow release preparations.
	2. B	If changing form a slow release
	3. D	preparation, divide the dose into 3 equal
	4. E	daily doses.
VIGABATRIN	Α	Sachets available.
VITAMIN B COMPOUND	В	
VITAMIN E	С	
WARFARIN	1. B	Stop enteral feed at least 2h prior to
	2. E	administration and for 2h after. Flush tube
		before and after. Monitor INR closely.
ZINC	Α	Effervescent tablets available.
ZOPICLONE	В	Crushed tablets have bitter taste. Tablets
ZOFICLOINE	D	
		dissolve in acidic fruit juices (orange). Ref. Generics
		Net. Genetics

KEY TO DRUG ADMINISTRATION GUIDELINES

Please follow the guidelines in order, as shown in the chart (i.e. number 1 is the first choice of which form to administer the drug in).

- Tablet will disperse in 1-2 minutes. Α
- В Tablet will disperse in greater than 2 minutes.
- C Liquid preparation available.
- D Dilute reconstituted injection with 30-60ml of water before administering.
- Ε Oral solution/suspension can be prepared by local pharmacy or Non Sterile Preparative Services (PSU at Colchester General Hospital).
- Tablet will disperse in 1-2 minutes.
- Tablet will disperse in greater than 2 minutes.
- Liquid preparation available.
- A B C D Dilute reconstituted injection with 30-60ml of water before administering.
- Ε Oral solution/suspension can be prepared by local pharmacy or Non Sterile Preparative Services (PSU at Colchester General Hospital).





References

- 1. R. White, Handbook of Drug Administration via Enteral feeding Tubes, online, April
- 2. The NEWT Guidelines for administration of medication to patients with enteral feeding tubes or swallowing difficulties, 2nd ed., May 2010.
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- 5. Guy's and St Thomas', Paediatric Formulary, 8th ed.
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