## Formulary Advice: Fentanyl patches



r onnulary Auvice. I entanyi pato	Cornwall and Isles of Scil
Fentanyl patches are licensed for chronic intractable considered as an alternative to morphine in specific the first choice strong opioid for patients at the third	circumstances, noting that morphine is
<ul> <li>Ensure patients have thoroughly tried all previous options on the analgesic ladder prior to initiation on any strong opioid. Fentanyl patches should only be considered if:</li> <li>The oral route is unacceptable e.g. nil by mouth, gastrointestinal upset.</li> <li>Morphine / diamorphine cannot be tolerated due to side effects e.g. constipation, drowsiness, confusion, signs of opioid toxicity.</li> </ul>	Dose conversion to fentanyl from other opioids should be informed by an appropriate conversion chart eg health community syringe driver prescription (see overleaf), Joint Formulary, Summary of Product Characteristics.
<ul> <li>Patients with renal impairment – consider use at eGFR&lt;40, titrate and dose cautiously – seek specialist advice if unsure.</li> <li>Fentanyl patches should be used in patients with intractable non-cancer pain only after all</li> </ul>	Cornwall & IoS health community Specialist Palliative Care advice line: 01736 757707
established therapies have been tried. Useful facts prior to prescribing	<u> </u>
<ul> <li>The patch formulation should be used very select significant drug errors are common.</li> </ul>	ively; it is relatively expensive, and
<ul> <li>The oral morphine equivalent to the 25mcg/hr pat Hence fentanyl patches must be used very careful 12mcg/hr patch is available for sensitive patients titrate to stable dose on an oral opioid before star</li> <li>Fentanyl patches are <b>not suitable</b> for patients with</li> </ul>	Illy in patients who are opioid naïve. A and incremental dose increases. Ideally ting fentanyl
<ul> <li>Fentanyl is less likely to cause toxicity in renal fail</li> <li>It takes 6 to12 hours for the patch to begin to wor stable plasma levels – therefore pain control may doses as required.</li> </ul>	lure than morphine. k and will take 36 to 48 hours to reach be erratic – continue to use breakthrough
<ul> <li>The patch dose can be titrated up in increments a</li> <li>Because time to stable dose is long, do not increase</li> </ul>	
<ul> <li>Useful facts when reviewing patients on fentanyl</li> <li>Consider need for specialist advice – eg Palliativ</li> <li>There is no ceiling to fentanyl patch dose: multiple consider seeking specialist advice if repeated dos improvement in function brought about by lower d</li> <li>There is increased absorption from the patch with</li> <li>A small proportion of patients metabolise fentanyl every 48 hours.</li> </ul>	e patches can be used together. However se increases are needed particularly if the doses has been small or none. n pyrexia.
<ul> <li>Prolonged use of opiates might lead to a state of hyperalgesia) resulting in patients presenting with associated pain is more diffuse than the pre-exist dose reduction or change to an alternative opioid</li> <li>In cancer pain, assessment by the Palliative Care fentanyl lozenges or buccal tablets. It is normal proforamorph for breakthrough pain; it is not necessary</li> </ul>	n increased pain. Such hyperalgesia- ing pain and less defined in quality. Opioid should be considered. Team is advised before commencing ractice to use oral opioids such as

- unless there are specific reasons for doing so.
- After the patch is removed, a reservoir of the drug remains under the skin, and it continues to be released for approximately 17 hours (range 13 to 22 hours). For the first 12 to 24 hours breakthrough medication only should be prescribed, then a long acting alternative can be prescribed. Observe for signs of opioid toxicity during this period.

## MATRIFEN (TEVA) IS THE PREFERRED BRAND OF FENTANYL PATCH AND SHOULD BE PRESCRIBED BY BRAND

## A GUIDE TO EQUIVALENT DOSES FOR OPIOID DRUGS

N.B. – this is to be used as <u>a guide</u> rather than a set of definitive equivalences. Most data on doses is based on single dose studies so is not necessarily applicable in chronic use, also individual patients may metabolise different drugs at varying rates. The advice is always to calculate doses using morphine as standard and to adjust them to suit the patient and the situation. Some of these doses have by necessity been rounded up or down to fit in with the preparations available.

Oral Morphine		Subcutaneous Morphine		Subcutaneous Diamorphine		Oral Oxycodone		Subcutaneous Oxycodone		Fentanyl transdermal	Subcutaneous Alfentanil			
4 hr dose (mg)	12 hr SR dose (mg)	24 hr total dose (mg)	4 hr dose (mg)	24 hr total dose (mg)	4 hr dose (mg)	24 hr total dose (mg)	4 hr dose (mg)	12 hr SR dose (mg)	24 hr total dose (mg)	4 hr dose (mg)	24 hr total dose (mg)	Patch strength (micrograms)	4 hr dose (mg)	24 hr total dose (mg)
5	15	30	2.5	15	1.25	10	2.5	7.5	15	1.25	7.5	25mcg	0.125	1
10	30	60	5	30	2.5 -5	20	5	15	30	2.5	15	25mcg	0.25	1.5
15	45	90	7.5	45	5	30	7.5	25	50	3.75	25	25mcg	0.5	3
20	60	120	10	60	7.5	40	10	30	60	5	30	50mcg	0.75	4
30	90	180	15	90	10	60	15	45	90	7.5	45	50mcg	1	6
40	120	240	20	120	12.5	80	20	60	120	10	60	75mcg	1.25	8
50	150	300	25	150	15	100	25	75	150	12.5	75	75mcg	1.5	10
60	180	360	30	180	20	120	30	90	180	15	90	100mcg	2	12
70	210	420	35	210	25	140	35	105	210	17.5	100	125mcg	2.5	14
80	240	480	40	240	27.5	160	40	120	240	20	120	125mcg	2.5	16
90	270	540	45	270	30	180	45	135	270	max	135	150mcg	3	18
100	300	600	50	300	35	200	50	150	300	s/c	150	150mcg	3.5	20
110	330	660	55	330	37.5	220	55	165	330	vol	165	175mcg	3.75	22
120	360	720	60	360	40	240	60	180	360		180	200mcg	4	24

