

## Evaluation of McKinley T34 Syringe Pumps

<b>Health Board Area</b>	
<b>Establishment</b>	
<b>Department</b>	
<b>Date of Evaluation</b>	
<b>Signature of Evaluator</b>	

No	Statement	Evidence	Met	Not Met	Comments
1	All clinical areas have access to the <b>CME McKinley T34 'Ambulatory Syringe Pump Operation Manual'</b>	Access will be demonstrated in each clinical area			
2	All clinical areas have access to Local guidelines for the use of the McKinley T34 syringe pump	Access will be demonstrated in each clinical area			
3	Local guidelines will contain information on the setting up, use, problem solving and hazard warnings of a syringe pump	<p>There is information contained within the above guideline on:</p> <p><b>i</b> indications for using a syringe pump</p> <p><b>ii</b> equipment required</p> <p><b>iii</b> filling the syringe</p> <p><b>iv</b> setting the rate</p> <p><b>v</b> priming the line</p> <p><b>vi</b> attaching the syringe to the pump</p> <p><b>vii</b> choosing the site</p> <p><b>viii</b> inserting the battery</p> <p><b>ix</b> starting the infusion</p> <p><b>x</b> guidance on managing hazard warnings</p> <p><b>xi</b> problem solving</p>			
4	Local guidelines will contain information on the details to be recorded of preparation and commencement of the syringe pump	<p>There is information contained within the above guideline on recording of:</p> <p><b>i</b> date</p> <p><b>ii</b> time</p> <p><b>iii</b> battery status</p> <p><b>iv</b> total volume (ml) (drugs and diluent)</p> <p><b>v</b> rate setting</p> <p><b>vi</b> drug name(s) and batch number</p> <p><b>vii</b> diluent name and batch number</p> <p><b>viii</b> medical physics reference number on syringe pump</p> <p><b>ix</b> signature(s) of person(s) preparing &amp; checking</p>			

**DRUGS IN THE SYRINGE PUMP**

<b>No</b>	<b>Statement</b>	<b>Evidence</b>	<b>Met</b>	<b>Not Met</b>	<b>Comments</b>
5	Drug information guidelines of drugs commonly used in syringe pumps are accessible to pharmacy and all clinical areas.	Access to Drug information guidelines demonstrated in:  i all clinical areas  ii pharmacy department			
6	There is a protocol for the prescribing of drugs to be used via a syringe pump.	A local prescribing protocol will be provided as evidence.			
7	The drug information guidelines should contain information on suggested dosage ranges and indications for use of drugs via a syringe pump.	There is information within the document on:  i dosage range  ii indications for use of drugs			
8	The drug information guidelines should contain details of drug combinations which can be used via a syringe pump including details of concentration and stability.	There is information within the document on:  i drug combination recommendations  ii concentration (weight/volume)  iii stability			
9	There is a protocol on action to be taken in the event of an adverse incident.	Protocol will be provided as evidence			

**SYRINGE PUMP EQUIPMENT**

No	Statement	Evidence	Met	Not Met	Comments
10	Only one type of syringe pump is available within any care setting.	Syringe Pumps used within setting:  McKinley T34			
11	Equipment purchasing policies should ensure that only the appropriate type of syringe pump is purchased	Purchasing policy will be provided and examined for this information.			
12	System is in place to ensure equipment is serviced to manufacturers guidelines and servicing is up to date.	Servicing policy/protocol will be provided as evidence.  Records will demonstrate that all pumps have been serviced to manufacturers guidelines			
13	The syringe pump is monitored during use to ensure it is working correctly	This documentation has space for recording the following information re status / problems			
		i date of check			
		ii time of check			
		iii rate setting			
		iv volume remaining in syringe			
		v volume infused since last check			
		vi battery status			
		vii infusion site reactions			
		viii solution appearance (syringe and tubing contents)			
		ix anticipated progress i.e. is infusion running to time			
14	There is guidance as to what action is to be taken in the event of malfunction.	A protocol will be provided as evidence			

<b>STAFF TRAINING</b>					
<b>No</b>	<b>Statement</b>	<b>Evidence</b>	<b>Met</b>	<b>Not Met</b>	<b>Comments</b>
<b>15</b>	A record of staff training is kept	Training record will be provided			
<b>16</b>	All staff involved with syringe pumps undergo a training programme covering all aspects of the use of syringe pumps and information on the drugs commonly used within 6 weeks of commencement of employment	Training record will be examined for record of all members of staff training			
<b>17</b>	Yearly syringe pump training update is provided	Training record will be examined for record of all members of staff training			
<b>18</b>	Yearly syringe pump training update is mandatory	Training programme will be provided			
<b>19</b>	Written information leaflet on the use and purpose of syringe pumps is available for patients and carers.	Leaflet will be produced and examined			

Reference:

1. The Scottish Office Home and Health Department. The Management of Infusion Systems. 1995.