

McKinley T34 Syringe driver clinical competency

Name:	Role: Band 5/6/7
Base:	Date initial training completed:

Competency Statement:

The participant demonstrates practical knowledge, theory of operation and clinical management of the Mckinley T34 syringe pump. The participant must perform this activity without assistance and/or direct supervision (level 3 - see level descriptors. Assessment in practice must be by a Registered Nurse who can demonstrate competence at level 4 or above

Performance Criteria	Assessment Method	Level achieved	Date	Assessor/ self assessment
The Participant will be able to:				
1. Demonstrate pre-operational inspection and proper set-up of the syringe driver				
a) Inform patient about the procedure and seek verbal consent for setting up syringe driver.	Questioning			
b) Define the type of pump utilised.				
c) Define the indications for using a syringe driver in a palliative care setting.	Questioning			
d) Identify and inspect the equipment as complete, maintained and fit for use	Direct observation Questioning			
e) Identify the components on the syringe driver that secure the syringe and explain their function.	Direct observation Questioning			
f) Discuss battery type and install the battery.	Direct observation Questioning			
g) Demonstrate how to verify sufficient battery power for the programme	Direct observation			
h) Demonstrate pre-loading procedure	Direct observation			
i) Recognise that drugs for use in the syringe driver are correctly/appropriately prescribed on the medication chart.	Questioning			
j) Explain what sizes and types of syringe can be used.	Direct observation Questioning			
k) Select appropriate diluent and draw up drugs as prescribed on the medication chart.	Direct observation			
l) Complete new medication label and attach to syringe	Direct observation			
m) Connect the syringe to the infusion line.	Direct observation			

Performance Criteria	Assessment Method	Level achieved	Date	Assessor/ self assessment
n) Prime the infusion line.	Direct observation			
o) Record drugs administered on medication chart, new medication card and patient's notes.	Direct observation Questioning			
2. Demonstrate the ability to operate the T34, complete an initial set up and a change of infusion (needle) site				
a) State the type of unit measurement that is used.	Questioning			
b) Explain why this type of unit measurement is used.	Questioning			
c) Select appropriate subcutaneous and site for insertion.	Direct observation			
d) Insert appropriate device correctly and apply appropriate dressing.	Direct observation			
e) Demonstrate fitting the syringe to the syringe driver.	Direct observation			
f) State process for starting the infusion/start the infusion.	Direct observation Questioning			
g) Demonstrate how to check that the information on the driver display is correct	Direct observation			
h) Demonstrate how to activate keypad lock	Direct observation			
i) Demonstrate how to place pump in lockbox	Direct observation			
j) Demonstrate how to pause and resume infusion	Direct observation			
k) Describe how to stop the infusion.	Questioning			
3. Demonstrate the ability to operate the T34 and monitor an infusion in progress				
a) Calculate volume infused to assess correct delivery of medication.	Direct observation			
b) Check infusion (needle) site for signs of redness, swelling or leakage	Direct observation Questioning			
c) Check line is securely attached and not leaking or trapped	Direct observation			
d) Check drugs in syringe for signs of crystallisation, cloudiness or colour change	Direct observation Questioning			

Performance Criteria	Assessment Method	Level achieved	Date	Assessor/ self assessment
e) Check green light is flashing.	Direct observation Questioning			
4. Demonstrate the ability to operate the T34 and change the syringe in an ongoing infusion				
a) Demonstrate the process for changing a syringe in an ongoing infusion,	Direct observation			
5. Review T34 maintenance and troubleshooting considerations and take appropriate action				
a) Review care and cleaning of the syringe driver.	Questioning			
b) Review battery life and type.	Questioning			
c) Explain possible causes for the following, and how you would deal with each: The infusion ended early. The infusion has ended late. The infusion has stopped The syringe driver will not start.	Questioning			
d) State the conditions that will cause the syringe driver to alarm.	Questioning			
e) Explain to patient/carer how to care for syringe driver and when	Direct Observation			

Source: Syringe Driver Policy for Adult Palliative Care SHFT 2018, McKinley T34 Syringe Pump Guidelines for Adult palliative Care SHFT 2018, CHS49 Deliver subcutaneous treatments using syringe drivers or infusion devices, CHS50 Monitor infusions delivered subcutaneously by a syringe driver or infusion device, CHS51 Discontinue infusions delivered subcutaneously and remove syringe driver or infusion device (Skills for Health)

Date all elements of Competency Tool completed to level 3 _____

Registered Nurse _____ Signature _____ Status _____ Date _____

I confirm that I have assessed the above named Registered Nurse and can verify that he/she demonstrates competency in syringe driver management in practice

Assessor _____ Signature _____ Status _____ Date _____

