



Clinical Practice Procedures: Drug administration/ Syringe infusion pump – SPRINGFUSOR® 30

Policy code	CPP_DFA_SYS_0416
Date	April, 2016
Purpose	To ensure a consistent procedural approach for syringe infusion pump – SPRINGFUSOR® 30.
Scope	Applies to Queensland Ambulance Service (QAS) clinical staff.
Health care setting	Pre-hospital assessment and treatment.
Population	Applies to all ages unless stated otherwise.
Source of funding	Internal – 100%
Author	Clinical Quality & Patient Safety Unit, QAS
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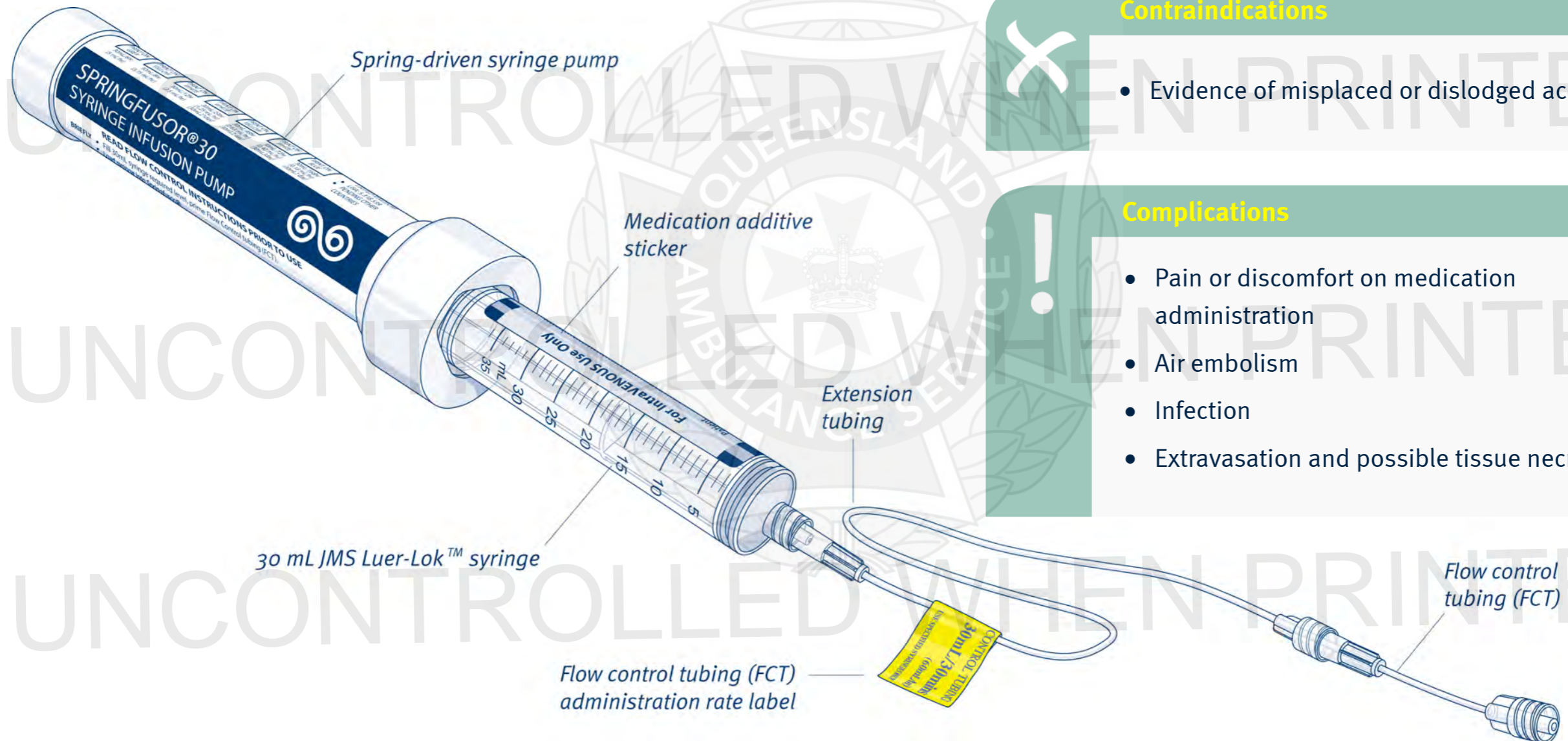
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Syringe infusion pump – SPRINGFUSOR® 30

April, 2016

The **SPRINGFUSOR® 30** is a spring driven syringe pump designed for intermittent IV infusions of small volumes (≤ 30 mL). It consists of a re-useable spring-driven cartridge that connects to a (supplied) 30 mL JMS disposable syringe. The output from the syringe is controlled by a short length of narrow bore flow control tubing (FCT). The QAS supplies FCT designed to administer infusions at a set rate of 60 mL/hour (1 mL/minute).^[1]



Indications

- Intermittent IV infusion of small volumes as specified in QAS DTPs

Contraindications

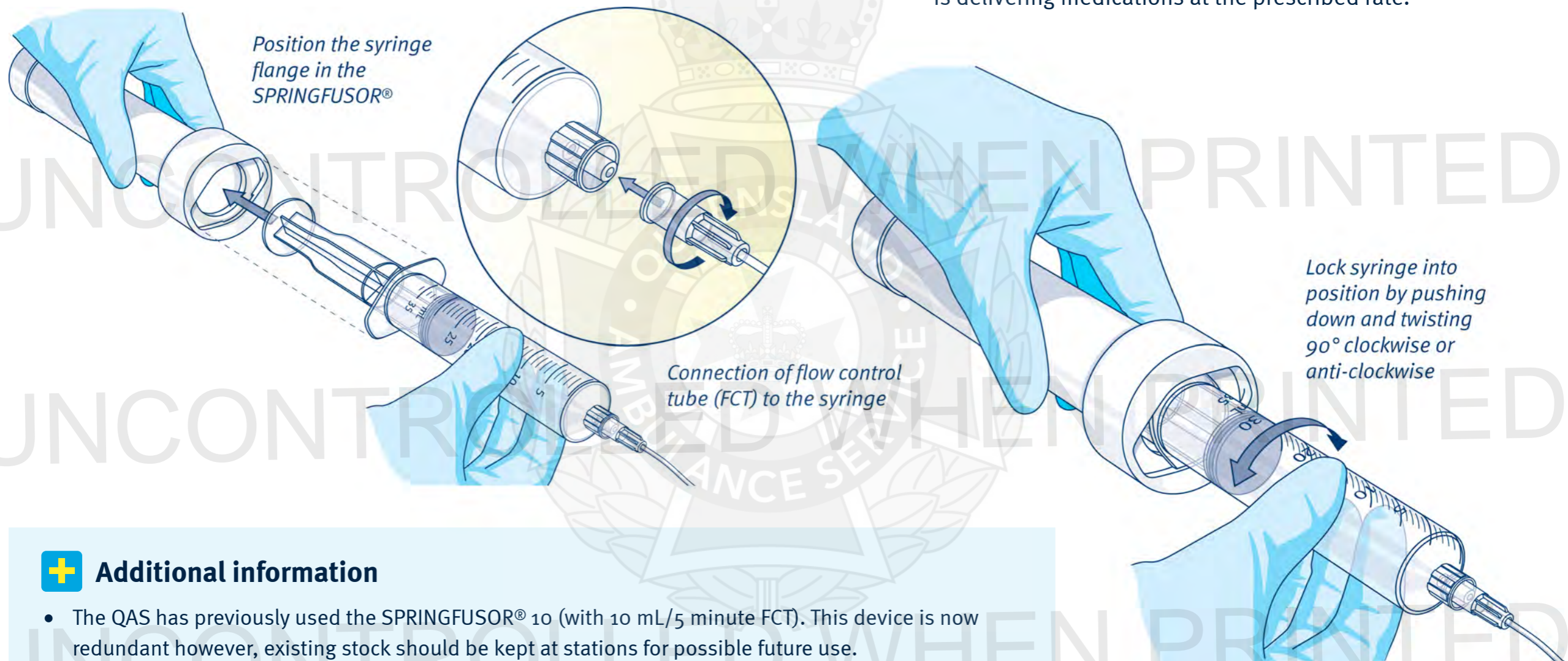
- Evidence of misplaced or dislodged access

Complications

- Pain or discomfort on medication administration
- Air embolism
- Infection
- Extravasation and possible tissue necrosis

Procedure – Syringe infusion pump – SPRINGFUSOR® 30

1. Fill the supplied 30 mL JMS syringe with the desired medication in accordance with the QAS DTP. Ensure syringe is appropriately labelled.
2. Connect the 60 mL/hour FCT to the syringe.
3. Position the syringe flange in the SPRINGFUSOR®, then lock into position by pushing down and twisting 90°.
4. Remove cap from the FCT to commence automatic priming. A drop of fluid will appear when the FCT is fully primed.
5. Connect FCT to the Alaris 2-way extension set connected to the patient's cannula.
6. Check syringe at appropriate intervals to confirm the FCT is delivering medications at the prescribed rate.



+ Additional information

- The QAS has previously used the SPRINGFUSOR® 10 (with 10 mL/5 minute FCT). This device is now redundant however, existing stock should be kept at stations for possible future use.
- The SPRINGFUSOR® device is only to be used with supplied syringes and FCT.
- FCT only controls the rate of administration **NOT** the volume delivered.
- Failure to prime air from the syringe, FCT or extension tubing can result in air being entrained into the patient's bloodstream and may result in air embolus.