



Clinical Practice Procedures: Drug administration/ Priming of a Microbore extension set

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Date	January, 2020
Purpose	To ensure a consistent procedural approach to the priming of a Microbore extension set.
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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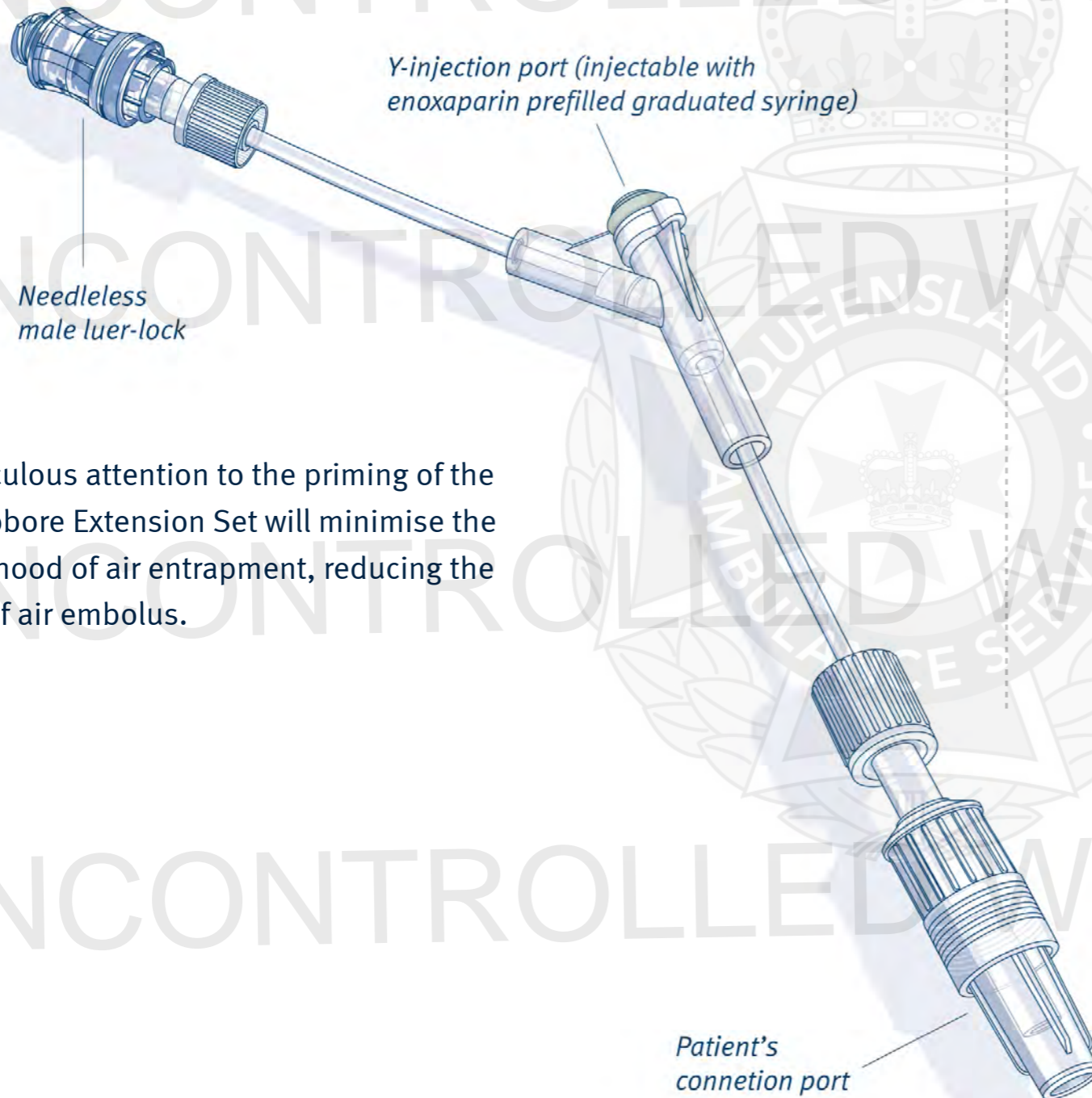
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Priming of a Microbore extension set

January, 2020

The Microbore Extension Set (needleless male luer-lock with Y-injection port) has been introduced into QAS to enable the administration of IV enoxaparin using a pre-filled graduated syringe.



Meticulous attention to the priming of the Microbore Extension Set will minimise the likelihood of air entrapment, reducing the risk of air embolus.

Indications

- To prepare a Microbore Extension Set prior to the administration of IV enoxaparin using a pre-filled graduated syringe.

Contraindications

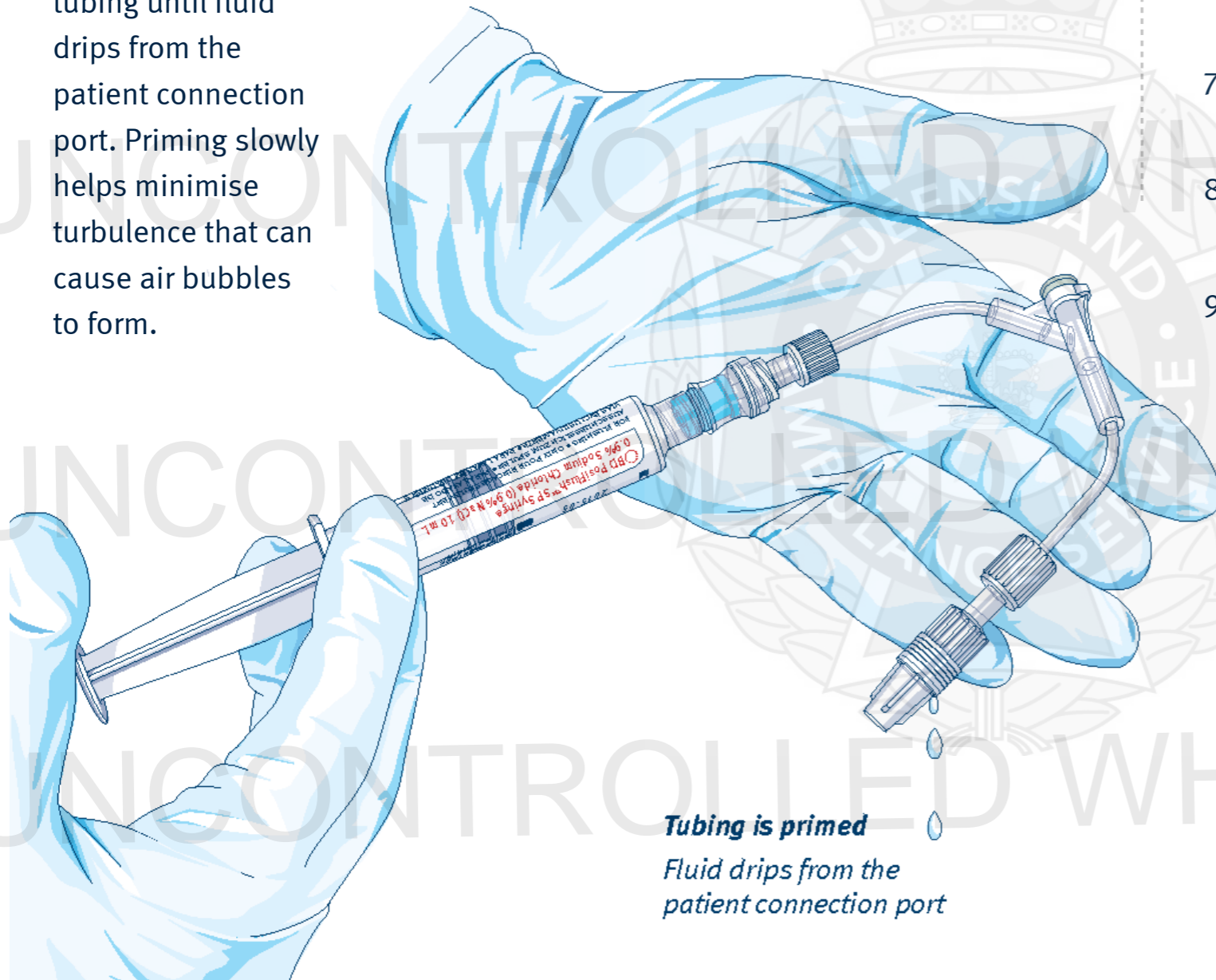
- Nil

Complications

- Air embolism
- Infection

Procedure – Priming of a Microbore Extension Set

1. Remove the Microbore Extension Set from the packaging.
2. Clean the blue male luer-lock valve with an appropriate antimicrobial swab.
3. Insert a 10 mL Luer-Lok™ syringe containing 10 mL sodium chloride 0.9% into the needleless valve and rotate clockwise to secure the connection.
4. Gently prime the tubing until fluid drips from the patient connection port. Priming slowly helps minimise turbulence that can cause air bubbles to form.
5. Disconnect the syringe's luer by securely holding the valve while turning the syringe counter-clockwise.
6. Inspect the Microbore Extension Set, including valves and Y-injection port, to ensure no air bubbles are visible. If air bubbles are present, repeat the priming procedure until all air bubbles are dislodged and have been released from the tubing.
7. Remove the Microbore Extension Set's patient connection port cap.
8. Connect the Microbore Extension Set to the SmartSite™ valve on the patient's cannula.
9. Administer medications AND/OR fluids as required.



Tubing is primed
Fluid drips from the
patient connection port

+ Additional information

- All IV cannulae should be checked for patency prior to the connection of an extension set.