



Clinical Practice Procedures: Drug administration/Intravenous

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Date	January, 2020
Purpose	To ensure a consistent procedural approach to intravenous (IV) drug administration.
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.
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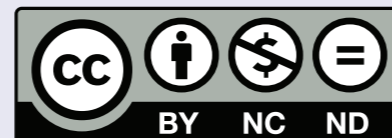
All feedback and suggestions are welcome. Please forward to: Clinical.Guidelines@ambulance.qld.gov.au

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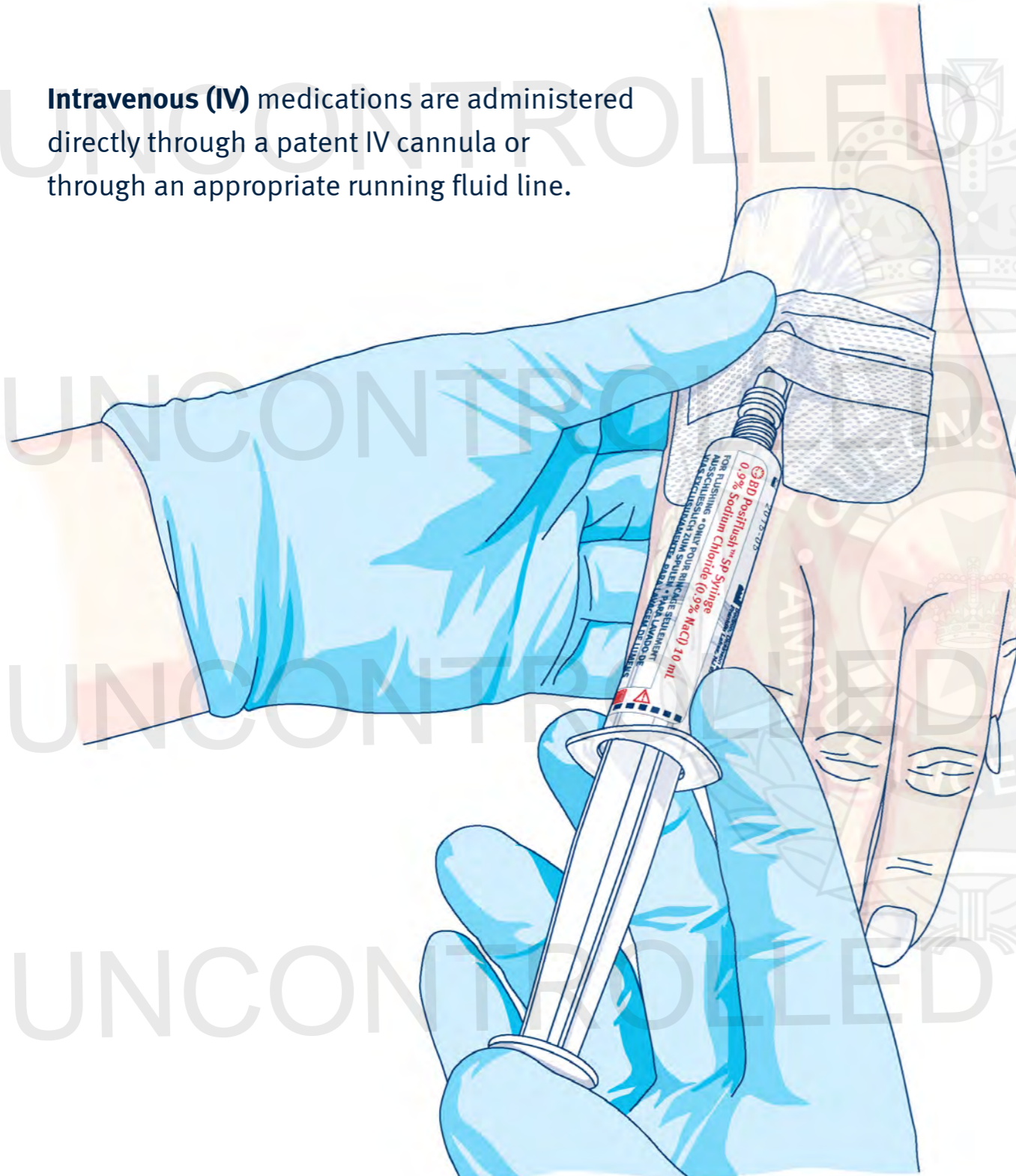
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Intravenous

January, 2020

Intravenous (IV) medications are administered directly through a patent IV cannula or through an appropriate running fluid line.



Indications

- Administration of medication via the IV route

Contraindications

- Evidence of a misplaced or dislodged IV cannula

Complications

- Pain or discomfort on medication administration
- Air embolus
- Infection, bacteraemia or sepsis
- A misplaced or dislodged cannula resulting in extravasation and possible tissue necrosis.

Procedure – Intravenous

1. Prepare the required dose of medication in an appropriate syringe.
2. Clean the SmartSite™ needle free valve with an appropriate antimicrobial swab.
3. Insert the Luer-Lok™ syringe tip into the SmartSite™ valve and rotate 1/4 turn clockwise to secure the connection:
 - **SmartSite™ valve on an Alaris™ (gravity flow) giving set:** Administer medication (please note, occluding of the distal tubing is not required due to the Alaris™ one-way valve).
 - **SmartSite™ valve on an Alaris™ 2-way extension set (with clamps):** Open clamp and administer medication.
 - **SmartSite™ valve on a cannula:** Support cannula and administer medication.
4. Flush medication with sodium chloride 0.9%
5. If using an Alaris™ 2-way extension set, close clamp.
6. Disconnect luer by securely holding SmartSite™ valve whilst turning syringe counter clockwise.

+ Additional information

- All IV cannulae should be checked for patency prior to each medication delivery.
- All parenteral medications must be prepared in an aseptic manner.

