

Specification of Competency Standards
for the Elderly Care Service Industry
Unit of Competency

Functional Area - Clinical Care

Title	Perform Intravenous Injection
Code	106036L5
Range	This Unit of Competency is applicable to employees in the elderly care service industry who provide clinical care to elderlies. This Competency involves the ability of critical analysis and assessment. Employees are required to assess elderlies' health status and their reasons for receiving intravenous injection, analyse the risks involved regarding the injection, and perform intravenous injection safely and accurately according to the guidelines of the institution or other professional institutions, so as to ensure elderlies receive appropriate treatment.
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Basic knowledge of intravenous injection</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> • Understand human anatomy including positions and depths of blood vessels, and network of nervous system. • Understand basic pharmacological knowledge including the types, effects, side effects, dosage and routes of administration, the expected therapeutic effects of the medicines • Understand the principles of drug verification including the method of "3 checks 5 rights" principle • Understand methods for security, storage and management of medicines • Understand dosage units, measurement and calculation methods for each medicine • Understand names of medicines including generic names and brand names • Understand abbreviations of prescriptions such as: <ul style="list-style-type: none"> ○ Recognized names of medicine ○ Dosage units and frequency of administration ○ Routes of injection • Understand the medicine for intravenous injection and the methods to use injection equipment such as dissolving and dilution of medicines • Understand the proper method to use infusion pump • Understand the method to calculate infusion rate • Understand the skills of intravenous injection such as injection speed, and elderlies' reaction during and after the injection • Understand the caring procedures before and after medicine injection • Understand the skills required to document the injection given to elderlies and the importance of such records <p>2. Intravenous injection</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> • Assess elderlies' conditions including health condition, medical history, history of allergy, condition of the intravenous catheter and surrounding skin. • Correctly implement the checking procedure by using "3 checks 5 rights principle" principle before injection • Check whether there is any foreign particle or unusual precipitate in the vial, and whether the medicine shows unusual colour • Dissolve medicines in powder form according to instructions; ensure the correct dosage is used

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	<ul style="list-style-type: none"> • Explain to elderlies the injection procedures, the effects of the medicines, the possible feeling and reaction during and after injection, and what should elderlies do to facilitate the injection, such as staying still in a certain posture • Implement the care measures before and after injection such as: <ul style="list-style-type: none"> ○ Disinfect the injection port of intravenous catheter properly before injection and check whether the catheter is in-situ ○ Inject suitable amount of saline before injection ○ Care for the injection area after injection. • Monitor elderlies' conditions and reaction after injection, and the effect of medicines • Properly record the used medicines, the process and effect of the medicines for elderlies • Properly handle and dispose of surplus and expired medicines • Properly dispose of used injection tool • Pay attention to how the elderlies use the medications and check against the prescribed dosage to avoid overdose • If adverse reactions is suspected to be caused by the injection, attend to the case immediately and refer the case to healthcare professionals for follow-up action <p>3. Exhibit professionalism</p> <p>Be able to</p> <ul style="list-style-type: none"> • Perform intravenous injection on elderlies safely and accurately by applying professional nursing knowledge • Be mindful of the pain elderlies may experience due to the injection, and offer comfort
Assessment Criteria	<p>The integrated outcome requirements of this Unit of Competency are:</p> <ul style="list-style-type: none"> • Ability to perform intravenous injection on elderlies accurately according to their health condition and needs, and the guidelines of the institution and doctor's prescription; and • Ability to detect the medicinal effect and elderlies' adverse reactions after injection to ensure the health and safety of the elderlies.
Remark	<p>This Unit of Competency is currently practiced by the enrolled nurses and registered nurses with professional and valid licenses.</p>