

Medical and Surgical Devices - Identification and Handling

Experiment 6 - Practical Notes

Name: _____ Roll no.: _____ Date: _____

Aim

To identify common devices and demonstrate external handling on models.

Principle

Device purpose, sterility, connection compatibility and product instructions govern handling; invasive placement requires appropriately trained personnel.

Device Guide

Device	Key demonstration
Needle / syringe	Gauge, volume scale, sterile package and immediate sharps disposal
Urinary catheter / bag	Closed-system connections, no kinks, secure tubing and below-bladder positioning
IV set	Correct line identity, compatible connection, clamps and prescribed flow checks
Ryle's / feeding tube	External markings and securement; placement is professionally verified before use
Urine pot	Correct label, clean handling and intended collection purpose
Colostomy bag	Model seal, skin protection and product-specific change process
Oxygen mask	Correct type, fit and the prescribed oxygen setup

Key Points

- Identify needles, syringes, urinary catheters, IV sets, urine bags, feeding tubes, urine pots, colostomy bags and oxygen masks.
- Check packaging, expiry and sterile status before use.
- Use models for connectors and external handling; no invasive placement on people.

Activity Procedure

1. Identify

State the device name, purpose and route/system.

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2. Inspect

Check integrity, markings, sizes and compatible connections.

3. Demonstrate

On the model, show external connections, secure positioning and the product-specific handling checks.

4. Explain

Describe monitoring, cleaning or disposal and when a qualified professional is required.

Record and Observations

Device	Purpose / handling / risk
Needle / syringe / IV set	_____
Catheter / urine bag / pot	_____
Ryle's tube / feeding system	_____
Colostomy bag	_____
Oxygen mask	_____

Result

Complete the record using your activity, then state the findings, the action required and the reason for that action.

Viva Questions and Answers

1. Why check connectors?

An incompatible or wrong-system connection can cause harm.

2. Why keep a urine drainage bag below bladder level?

The prescribed gravity-drainage arrangement helps reduce backflow risk.

3. Can oxygen be used without a plan?

The appropriate device and flow are selected by the clinical team.

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