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Fluids, Electrolytes & Acid-Base Balance

Core Nursing Essentials Fluids, Electrolytes & Acid-Base Balance

Study fluid assessment, electrolyte patterns and acid-base relationships together. This guide organizes the curriculum; fluid prescriptions and replacement regimens require individual clinical assessment.

For educational purposes only.

Study guide

Study fluid assessment, electrolyte patterns and acid-base relationships together. This guide organizes the curriculum; fluid prescriptions and replacement regimens require individual clinical assessment.

How to revise this category

1. Choose a topic and explain its purpose.
2. Identify the observations, equipment or information needed.
3. Connect the findings to documentation, reassessment and escalation.
4. Practise under qualified supervision and review the current local protocol.

Curriculum coverage

- Body fluid compartments
- Fluid intake and output
- Dehydration and fluid overload
- Hypovolemia and hypervolemia
- Sodium, potassium, calcium and magnesium imbalances
- Isotonic, hypotonic and hypertonic fluids
- Common IV fluids and indications
- Metabolic acidosis and alkalosis
- Respiratory acidosis and alkalosis
- Arterial blood gas interpretation
- Nursing responsibilities and clinical precautions

Quick Revision

Use this curriculum guide to organize study. Published summaries are listed separately. Detailed drafts remain in the private content studio until source and clinical checks are recorded.

References & review status

- WHO-ICRC Basic Emergency Care (https://www.who.int/publications/i/item/9789241513081) - 2018; course materials updated separately. ABCDE and recognition framework; original short synthesis, no copied diagrams.

Sources checked for the stated scope on 26 November 2026. Original study synthesis; independent clinical

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Source and attribution

Original curriculum guide. Source scope and versions are listed in the guide.

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