

Intravenous Therapy Cheat Sheet by Drosario19 via cheatography.com/144803/cs/31203/

Intravenous Therapy

Action: IV therapy involves administering fluids via IV catherter to administer medications, supplement fluid intake, give fluid replacement, electrolytes, or nutrients.

Mixed IV meds in a large volume of fluid are given continuously or intermittently in small amounts of fluid.

IV bolus are given in small amounts of solution (concentrated or diluted) and are injected over a short time (1-2 minutes) depending on the medication

IV Solutions		
Isonotic	Have same osmolality as body fluids; can cause increased risk for fluid overload	
Hypotonic	Can exacerbate a hypotensive state	
Hypertnic	Irritating to the vein; can cause increased risk of heart failure and pulmonary edema	

Advantaged

Rapid effects; Precise amounts

Less discomfort after initial insertion

Constant therapeutic levels

Less irritation to subcutaneous and muscle tissue

Permits use of large volumes of fluid for meds that need more fluid to dissolve

Permits use of meds that contain irritant properties such as chemotherapy

Disad	vanta	ges
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Fluid overload is possible if the infusion is too large or rapid

Immediate absorption leaves little time to correct errors

IV fluid administration can irritate the lining of the vein

Failure to maintain surgical asepsis can lead to local and systemic infection

Considerations	
Older Adults; Taking antico-	Avoid tourniquets. use BP cuff to
agulants; fragile veins	prevent hematoma formation
	Instruct patient to hold hand below heart level
	Avoid using the back of patients hand
	Avoid rigorous friction while cleaning
	the site
Edema in extremities	Apply pressure over selected vein to displace edema
	Apply pressure with alcohol pad
	Cannulate vein quickly
Obese	Use anatomical landmarks to find veins

Guidelines

Add medications to a new IV fluid container, not to one thats already hanging

Never administer IV medications through tubing that is infusing blood/blood products/parenternal nutrition solutions

Verify compatibility of meds with IV solutions before infusing a med through tubing that is infusing IV solution

Ensure the IV is patent before administration.

Flush before and after administration

Perform assessemts priot to administration



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