



IV fluids

What are they good for?

All hospitalized patients receive either *diuretics* or *IV fluids*



Intravenous fluids are good for:

- ➡ Treating sepsis and shock
- ➡ Replacing fluid losses
- ➡ Adjusting osmolality
- ➡ Serving as carrier fluids for medicine and electrolytes
- ➡ Nutrition
- ➡ Increasing urine output

3 Types of IV fluids

Dextrose solutions

Crystalloids

Plasma expanders

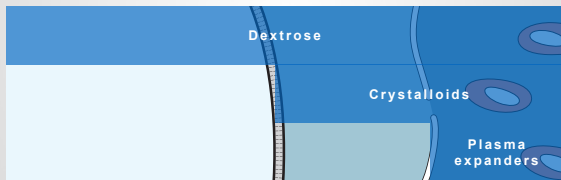


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Primary use:
treatment of
hypermnatremia and
hypoglycemia

Secondary use:
maintenance of fluids



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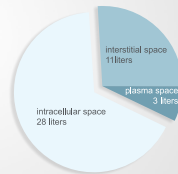
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Crystalloid solutions are the standard solutions used for fluid replacement and maintenance.

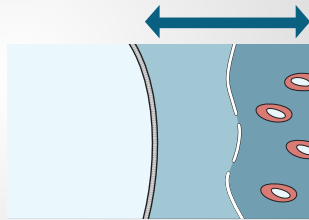


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Balanced solutions:	Saline:
Ringers,	0.225%
Hartmanns,	0.45%
Plasma-lyte	0.9%
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Plasma expanders

- ➔ blood components
 - FFP
 - PRBC
 - platelets
- ➔ Colloids
 - purified albumin
 - Synthetic osmotic agents (hydroxyethyl starch)



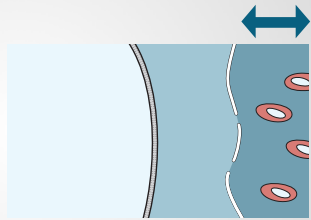
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Volume remaining in the plasma space

