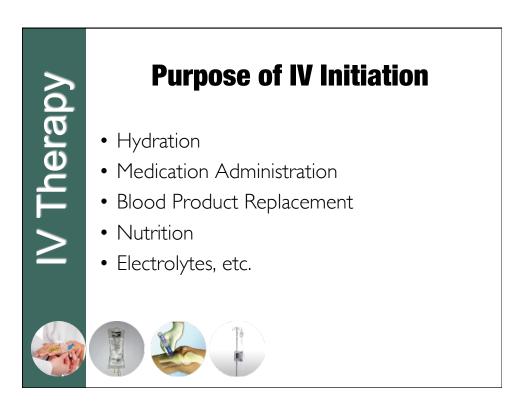


Intro to IV Therapy

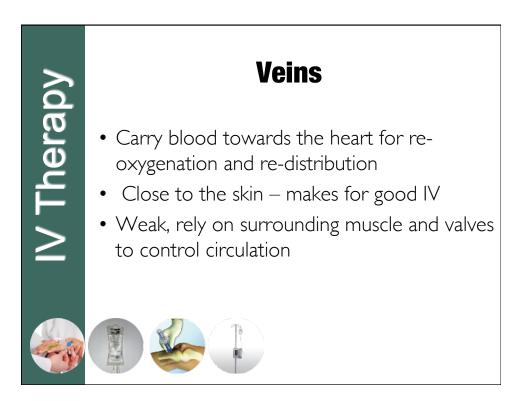
- IV therapy has been around since the 1600s
- Lots of problems in the 1600's. Lots of people died
- 1834, Dr. Quinn IV infusions!
- 1900's we got smarter
- 2000's we are doing well with all the new technologies, products, etc.

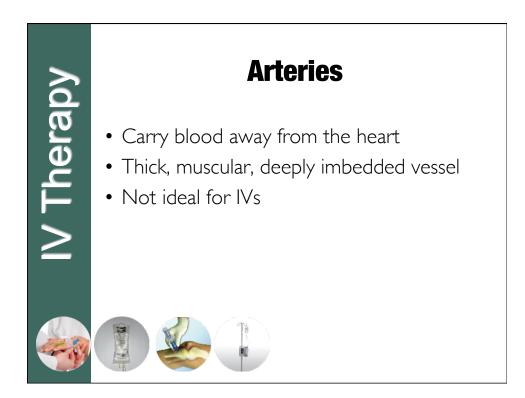


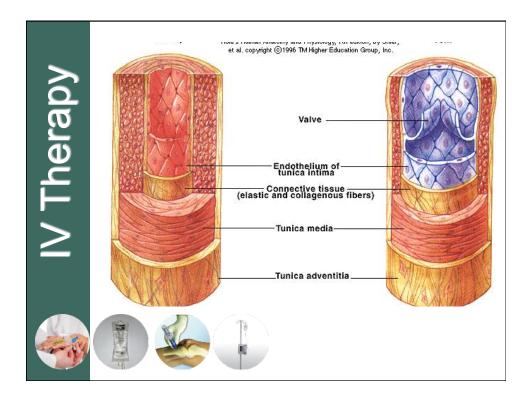
IV Therapy

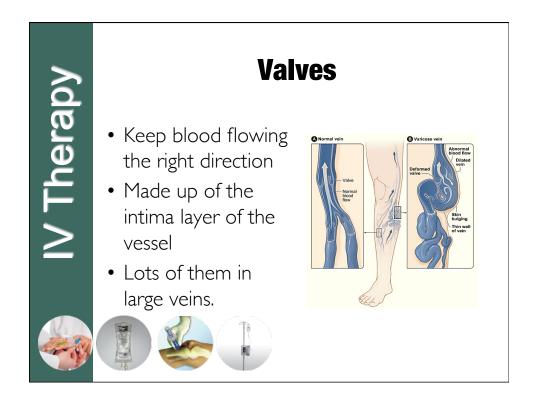


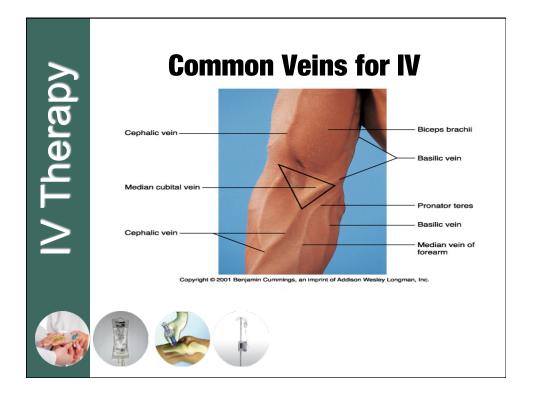




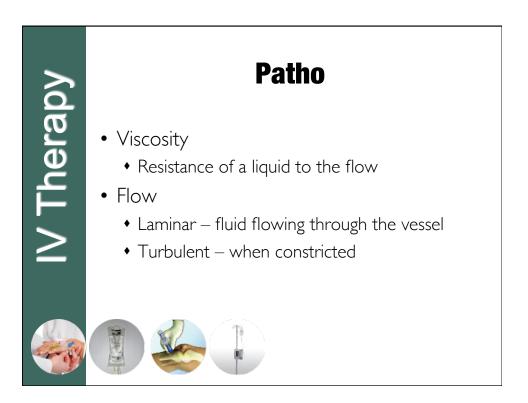


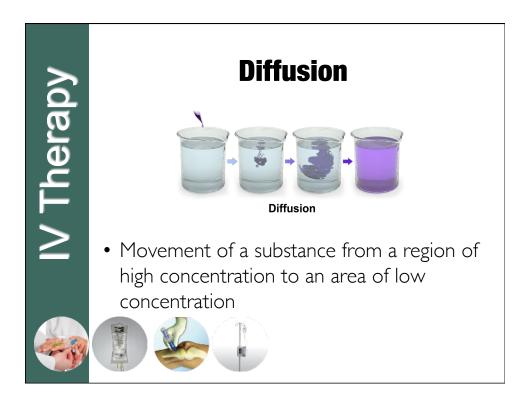


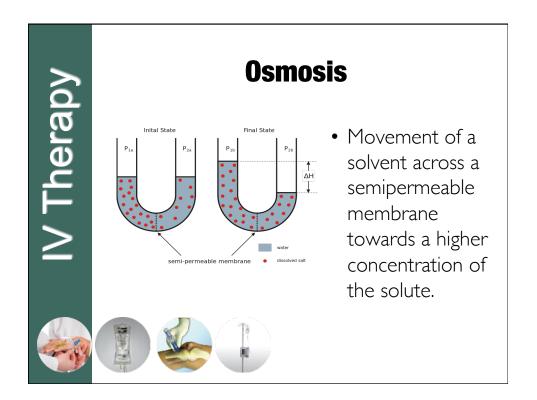




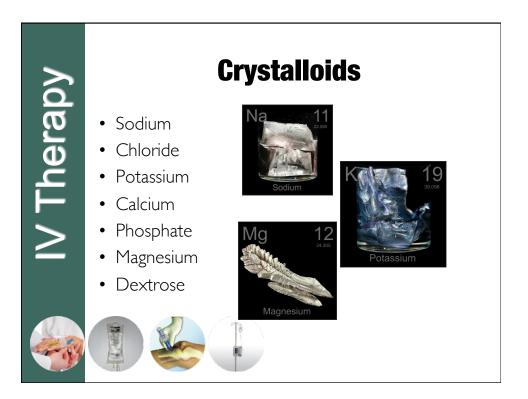


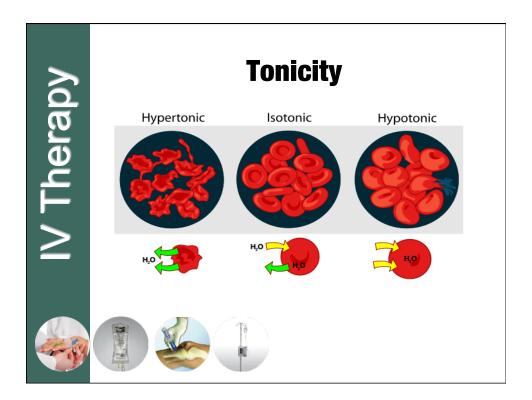






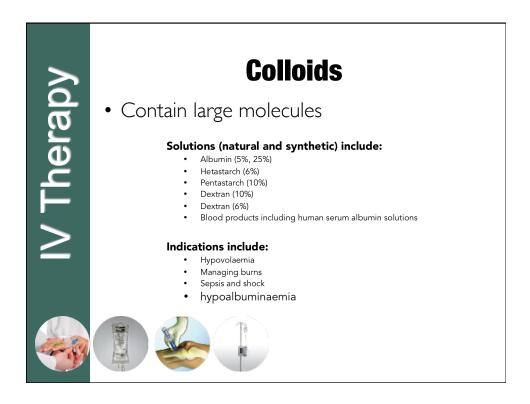




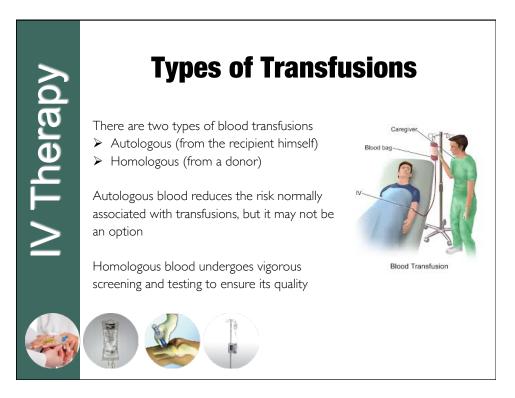


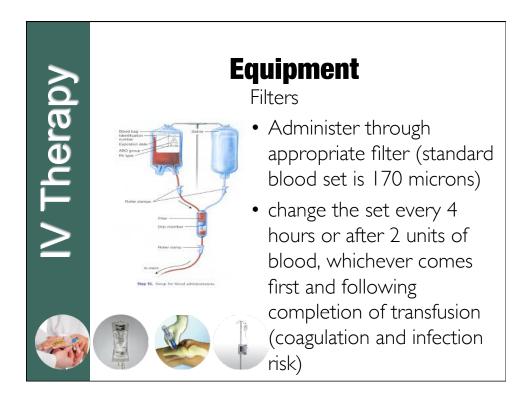
	Solution	Indication	Contraindication
V Therapy	5% Dextrose	 Prevention and treatment of dehydration Pre and post-op fluid replacement IV administration of various drugs Prevention of ketosis in starvation, vomiting, diarrhea Adequate glucose infusion protects liver against toxic substances Correction of hypernatremia 	 Cerebral edema, neuro surgical procedures Acute ischemic stroke Hypovolemic shock Hypnatremia (water intoxication) Same line as a blood transfusion (clumping occurs) Uncontrolled DM (severe hyperglycemia)
>	Normal Saline	Water and salt depletion Hypovolemic shock	 Avoid in pre-eclamptic patients, CHF, renal disease and cirrhosis

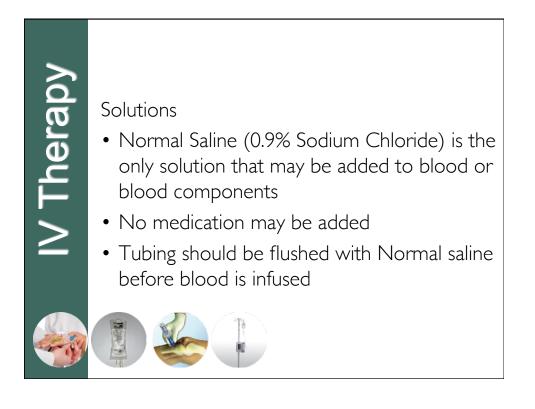
 severe salt depletion initial fluid therapy diabetic ketoacidosis Hypercalcemia Drug administration Conditions with salt depletion Hypovolemic Correction of vomiting or nasogastric tube aspiration induced alkalosis and hypovolemia. Latetated Ringers Correction in severe hypovolemia Replacing fluid in post op patients, burns Diarrhea induced hypokalemic metabolic acidosis, and supplies Severe CHF, lactic acidosis tak place Addisons disease Sourcet and dehydration in paediatrics DKA, provides water, corrects metabolic acidosis, and supplies potassium 	severe salt depletion hypokalemia initial fluid therapy diabetic ketoacidosis hyperchloremic acidosis Hypercalcemia Drug administration	
Lactated Ringers Correction in severe hypovolemia Replacing fluid in post op patients, burns Diarrhea induced hypokalemic metabolic acidosis Fluid of choice in diarrhea induced dehvidation in pasediatrics	 Hypovolemic Correction of vomiting or nasogastric tube aspiration induced 	
 DKA, provides water, corrects metabolic acidosis, and supplies potassium Maintaining normal ECF fluid and electrolyte balance Not compatible with certain di (ampicillin, doxycycline, etc). 	 Replacing fluid in post op patients, burns Diarrhea induced hypokalemic metabolic acidosis Fluid of choice in diarrhea induced dehydration in paediatrics DKA, provides water, corrects metabolic acidosis, and supplies potassium Maintaining normal ECF fluid and Shock Severe CHF, lactic acidosi place Addisons disease Vomiting or NGT induce- diservent diservent diservent metabolic acidosis, and supplies 	osis takes ed alkalosis ith blood tain drugs









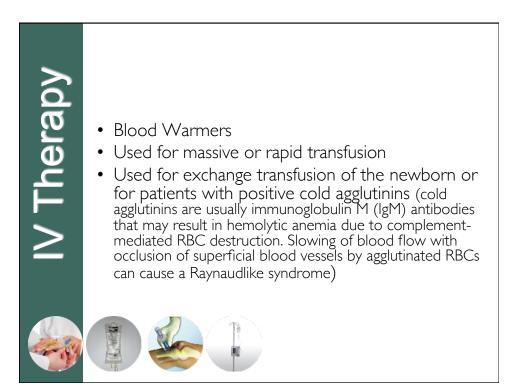


Pressure Infusers

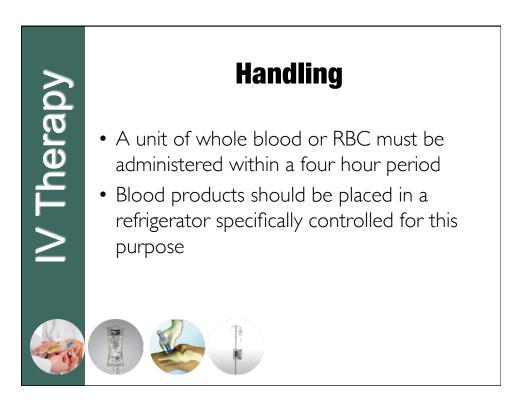
IV Therapy

- May be used for rapid infusions
- BP cuff can also be used
- Manufacturer's guidelines must be followed
- Used in critical situations





<page-header> **Disploy Disploy Dis**



Transfusion Reactions

Watch for these signs and symptoms of a transfusion reaction:

- Fever
- Chills
- Rigors
- Headache
- Nausea

If you detect any of these reactions, quickly STOP the transfusion, and re-establish a normal saline solution infusion, record the patient's vital signs, notify the Provider immediately and don't dispose of the blood



IV Therapy



