

Individual Medication Stations - Level A Cases

Case	Medications	Instruction	Pearls
4 year old boy fell off monkey bars and has an arm deformity. + Severe arm pain	Fentanyl IN/IM/IV Morphine IV/IM Ketamine IV/IM/IN	Have the student select a medication from the Handtevy medication guide and draw it up in the appropriately sized syringe.	Note small volumes Consider dilution with NS for small volumes.
6 year old girl is lethargic Blood sugar is 18 g/dL	D10W IV D25W IV D50W IV	Have the student select the medication and ask them to mix appropriately. Follow department protocols. Time this process.	Multiple ways to make D10 and D25 (video).
1 year old in severe anaphylaxis after eating peanut butter.	Epinephrine (1 mg/mL) IM Diphenhydramine IM Methylprednisolone IM Albuterol NEB Normal Saline IV	Be sure that Epinephrine is the first drug. Ensure that student uses three 1 mL syringes for the first 3 medications listed.	Lateral thigh is best location for IM.
5 year old in SVT (Stable)	Ice Pack Adenosine (1st dose) IV Adenosine (2nd dose) IV	Discuss creation of ice pack (video) Demonstrate adenosine IVP using IV tubing and NS flush	Volumes are small. Note syringe sizes for different ages.
4 month old in cardiac arrest (asystole)	Epinephrine (0.1 mg/mL) IV [Prefilled syringe]	Demonstrate how to transfer 0.6 mL of Epinephrine 0.1 mg/mL (prefilled) into a 1 mL syringe (video). Demonstrate use of 3-way stopcock.	Any child under 1 YR will require transfer of prefilled Epinephrine into a 1 mL syringe.