

PROCEDURE FOR: AZT (Zidovudine) Intravenous Administration

PURPOSE: To provide guidelines for the use of intravenous AZT during labor and delivery.

- POLICY:**
1. The AZT solution is prepared by the pharmacist. It is mixed in D5W. The concentration is 4mg/ml.
 2. AZT requires its own separate intravenous site. Do not infuse any other medications or fluids through this line.
 3. With the exception of an emergency delivery, a minimum of 4 hours of AZT infusion including the bolus is required before delivery.
 4. Discontinue the AZT infusion when the cord is clamped.

SUPPORTIVE

DATA: IV AZT has been shown to be effective in reducing vertical transmission of HIV from mother to infant.

EQUIPMENT: Gravity tubing and D5W to KVO via a # 20 or 22 IV catheter
Alaris infusion pump and tubing for the AZT solution

PROCEDURE:

<u>ACTION</u>	<u>POINTS OF EMPHASIS</u>
1. Notify NICU/NBN of patient's arrival to L&D.	1. The Neonatal AZT protocol must be initiated in a timely manner after birth.
2. Insert a #18 gauge IV catheter according to procedure. Attach the mainline plain D5W and the gravity tubing.	
3. Obtain the AZT solution from the Pharmacy and attach to the pump tubing and then to the infusion pump according to procedure.	3. Total hourly IV fluids should not exceed MD parameters.
4. Piggyback the AZT into the mainline of plain D5W.	4. Do not set the AZT up as a secondary infusion on the pump.
5. Begin administering the AZT bolus. After one hour, reduce the rate to the maintenance rate.	5. See the attached infusion rate charts. The loading dose is 2 mg/kg/hr for one hour . Then the maintenance dose is 1 mg/kg/hr . Maintain the AZT infusion until the cord is clamped at delivery. A minimum of 4 hours (1 hr of bolus and at least 3 hours of maintenance) of AZT infusion is required before a C/S or vaginal delivery with the exception of an emergency delivery.

APPROVAL: Nursing Standards Committee

CREDENTIALS: RN

Procedure

OB-GYN / Labor & Delivery - Unit Practice Manual

John Dempsey Hospital - Department of Nursing

The University of Connecticut Health Center

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