

LSU HEALTH SCIENCES CENTER – SHREVEPORT
PHARMACY & THERAPEUTICS COMMITTEE

SUBJECT:	Aminophylline	REFERENCE #: 2.2	
APPROVED BY:	P&T Committee	WRITTEN: 2/11	Page 1 of 1

- Purpose:** To identify Aminophylline as a high alert medication and provide guidelines for the safe intravenous administration to patients.
- Prescribing:** Restricted to cardiology and critical care areas only
1. Asthma or COPD
 2. Drug Action Reversal, Adenosine receptor agonist
- Dispensing:**
1. Will be dispensed by pharmacy
 2. Standard Aminophylline IV infusion: 1 gram Aminophylline in 250 mL of diluent
 3. Available for Nuclear Medicine for drug reversal
- Administration:**
1. Aminophylline solution must be infused via an infusion device.
 2. May be administered undiluted for drug reversal
- Monitoring:**
1. The patient should be monitored as listed in the package insert.
 2. Serum Theophylline levels – Therapeutic for asthma 10-20 mcg/mL
 - a. Levels are not needed for drug reversal
 3. Heart Rate
 4. Respiratory Rate
- Adverse Effects:** The patient should be monitored for the following adverse effects:
1. Gastrointestinal: GI upset, diarrhea, nausea, vomiting, abdominal pain
 2. Cardiovascular: Atrial fibrillation, tachycardia, ventricular tachycardia
 3. Neurologic: seizure
- References:**
1. Thompson Micromedex.
http://www.thomsonhc.com/hcs/librarian/ND_T/HCS/ND_PR/Main/CS/2EED37/DUPLICATIONSHIELDSYNC/45D3F6/ND_PG/PRIH/ND_B/HCS/SBK/2/ND_P/Main/PFActionId/hcs.common.RetrieveDocumentCommon/DocId/0012/ContentSetId/31#secN1A6D8. Accessed 10/28/10.
 Lexi-Comp Pediatric Handbook 16th edition.