

UNIVERISTY HOSPITALS OF DERBY & BURTON NHS FOUNDATION
 TRUST – **DERBY SITE ONLY**
 DRUG MONOGRAPH FOR USE IN RADIOLOGY, RDH

**Alteplase (rt-PA) – For pulse spray thrombolysis
(Angiojet technique)**

Indications	Pulse spray thrombolysis using the Angiojet
Dose	<p>Bolus dose (Radiologist): Up to 5mg (may be administered after the procedure)</p> <p>Pulsed infusion via Angiojet: As per Angiojet regimen</p>
Preparation	<ol style="list-style-type: none"> 1. Dissolve 20mg alteplase in the 20ml diluent (water for injection) provided to give a 1mg/ml solution 2. BOLUS: Draw up 5mg in 5ml into a 10ml syringe and label this ready for the bolus. 3. INFUSION FOR ANGIOJET Remove 15ml from a 100ml bag of sodium chloride 0.9%. Draw up the remaining 15mg in 15ml alteplase. and add this to the sodium chloride 0.9% bag to give 15mg in 100ml infusion.
Administration	<p>BOLUS: The bolus dose should be administered by the radiologist.</p> <p>INFUSION FOR ANGIOJET: Follow Angiojet regimen.</p>
Shelf-life	8 Hours
Additional information	This infusion is for use in X-Ray in accordance with the Angiojet regimen only (alternative dosing and administration applies to other indications e.g. continuous arterial infusion, massive PE, MI and cardiac arrest – See clinical guidelines on intranet or discuss with pharmacy).

Sample Label	DRUGS ADDED TO THIS INFUSION			
	PATIENT <i>A. Patient (A. Number)</i>			WARD <i>X-ray</i>
	DRUG <i>Alteplase in 100ml Sodium Chloride 0.9%</i>	AMOUNT <i>15mg</i>	ADDED BY	CHECKED BY
	DATE ADDED TIME ADDED	EXP.DATE EXP.TIME	BATCH NUMBER	
	DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			

Documentation Controls

Development of Guideline:	Pharmacist – Medicines Safety & Clinical Governance
Consultation with:	Consultant Radiologist Critical Care Pharmacist
Approved By:	Interventional Radiology - September 2018 C, D & CS Division - 15/11/2018
Review Date:	October 2022
Key contact:	Medicines Safety Officer

***** End of Monograph *****