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| Clinical Guideline**MODIFIED PARVOLEX® (NAC/ACETYLCYSTEINE) REGIMEN 12-hour regimen (known as the Scottish and Newcastle Acetylcysteine Protocol; SNAP)** |
| **SETTING** | Paediatric Emergency Department |
| **FOR STAFF** | All staff |
| **ATTENTION** | ALL cases for above regimen MUST be discussed with a Senior Clinician (ST4 and above) and documented in the notes |
| **PATIENTS** | Patients requiring treatment with Parvolex**®** (acetylcysteine) for paracetamol overdose |
| There is NO CHANGE to the initial management of paracetamol overdose including indications for treatment with parvolex. Please refer to Toxbase guidelines <https://www.toxbase.org/poisons-index-a-z/p-products/paracetamol------------/> * **Administration** of Parvolex**®** has changed as well as **subsequent** management.
* Infusion to be administered in 2 consecutive bags rather than 3
* Contains same drug with same total dose of acetylcysteine
* Given over 12 hours rather than 21 hours
* Equally as effective but with shorter duration and less adverse effects
* Please note- this guidance is found on Toxbase
* **At the end** - take repeat bloods (INR, LFTs, U+E, FBC, **Paracetamol level**) 2 hours before end of second bag.

<https://www.toxbase.org/poisons-index-a-z/s-products/snap-acetylcysteine---antidote/> and click “**1. Modified 12-hour regimen (known as the Scottish and Newcastle Acetylcysteine Protocol; SNAP)” for the infusion guidelines.**<https://www.toxbase.org/Information/miscellaneous/Paracetamol/Paracetamol---Guidance-on-when-to-take-bloods-and-interpretation-of-these-results-at-the-end-of-the-modified-12-hour-acetylcysteine-infusion-regimen-SNAP/>**Important****Toxbase- First Infusion**Note that the 200 mL bags of 5% glucose or sodium chloride 0.9% required for the first infusion are not currently commercially available. For this infusion, the excess amount of fluid should be removed from a larger bag using a syringe and discarded, before adding the acetylcysteine, e.g. by removing and discarding 50 mL from a 250 mL infusion bag. |
| **Table A** |
| **REFERENCES** | [Reduction of adverse effects from intravenous acetylcysteine treatment for paracetamol poisoning: a randomised controlled trial](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736%2813%2962062-0/fulltext) |
| **RELATEDDOCUMENTS AND PAGES** | Toxbase paracetamol guidelines |
| **SUPPORTED BY** | Paediatrics, Pharmacy, Biochemistry and MTC  |
| **SAFETY** | This regimen is not licensed or endorsed by the MHRA. In view of its unlicensed status, use should be endorsed by a senior clinician. |
| **QUERIES AND CONTACT** | Duty Consultant/registrar overnight  |

